

Name: Wuxi Institute of Inspection, Testing and Certification(Wuxi Institute of Metrology and Testing/Wuxi Center of Fiber Inspection)

Address: No.5, Xinhua Road, Xinwu District, Wuxi, Jiangsu, China

Registration No. CNAS L0260

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2025-06-10 Expiry Date: 2028-09-16

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
(1)、Photovoltaic cell and module						
1	Photovoltaic	1	Salt Mist Corrosion Testing	《Salt Mist Corrosion Testing of Photovoltaic (PV) Modules》 GB/T 18912-2002		2024-06-21
				《Salt mist corrosion testing of photovoltaic modules》 IEC 61701-2011	Except for concentrator photovoltaic modules	2024-06-21
				《Salt Mist Corrosion Testing of Photovoltaic (PV) Modules》 IEC 61701:1995		2024-06-21
		2	UV Test	《UV Test for Photovoltaic (PV) Modules》 GB/T 19394-2003		2024-06-21
				《UV Test for Photovoltaic (PV) Modules》 IEC 61345:1998		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		3	sulfur dioxide corrosion	《Metallic and other non-organic coatings-Sulfur dioxide test with general condensation of moisture》 DIN EN ISO 6988:1997		2024-06-21
				《Metallic and other non-organic coatings-Sulfur dioxide test with general condensation of moisture》 GB/T 9789-2008		2024-06-21
				《Metallic and other non-organic coatings-Sulfur dioxide test with general condensation of moisture》 ISO 6988:1985		2024-06-21
				《Enviromental testing -Part2:Test method-Test Kca:High concentration sulfur dioxide》 GB/T 2423.33-2021		2024-06-21
		4	Irradiance and temperature performance measurements	《Photovoltaic (PV) module performance testing and energy rating-Part1: Irradiance and temperature performance measurements and power rating》 IEC 61853-1-2011 8.5	Accredited only for procedure with a solar simulator	2024-06-21
		5	Ammonia corrosion testing	《Photovoltaic (PV) modules- Ammonia corrosion testing IEC 62716:2013		2024-06-21
2	Photovoltaic devices	1	Measurement of photovoltaic current-voltage characterics	《Photovoltaic devices Part 1:Measurement of photovoltaic current-voltage characteristics》 GB/T 6495.1-1996		2024-06-21
				《Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics》 IEC 60904-1:2006		2024-06-21
		2	equivalent cell temperature (ECT)	《Photovoltaic devices Part 5:Determination of the equivalent cell temperature(ECT) of photovoltaic(PV) devices by the opencircuit voltage method》 GB/T 6495.5-1997		2024-06-21
		3	spectral response	《Photovoltaic devices - Part8:Measurement of spectral response of a photovoltaic(PV) device》 GB/T 6495.8-2002		2024-06-21
				《Photovoltaic devices - Part8:Measurement of spectral response of a photovoltaic(PV) device》 IEC 60904-8:2014 7	Except pulsed light mesurement	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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					t method, except series-connected modules	
		4	temperature coefficients	《Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics》 IEC 60891-2009		2024-06-21
3	Crystalline silicon photovoltaic (PV) array	1	Crystalline silicon photovoltaic (PV) array-On-site measurement of I-V characteristics	《Crystalline silicon photovoltaic (PV) array-On-site measurement of I-V characteristics》 GB/T 18210-2000		2024-06-21
4	crystalline silicon terrestrial solar cells	1	Visual	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.1.5		2024-06-21
		2	Visual of rear aluminum film	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.1.2.2		2024-06-21
		3	Dimension	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.1.4		2024-06-21
		4	Integrity of the electrode pattern	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.1.1.1		2024-06-21
		5	Electrode color	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.1.1.2		2024-06-21
		6	Bend	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.2.1		2024-06-21
		7	Crack hidden battery	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.2.3		2024-06-21



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		8	Electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.3.1		2024-06-21
		9	Temperature Coefficients of electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.3.2		2024-06-21
		10	The initial maximum power of the battery light attenuation ratio	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.3.3		2024-06-21
		11	Attachment of antireflection film	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.1.3		2024-06-21
		12	Electrode weldability	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.1.1.3		2024-06-21
		13	Electrode anhesion strength and tensile strength between the electrode and solder joint	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.2.2		2024-06-21
		14	Thermal cycling Test	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 5.4		2024-06-21
5	Photovoltaic(PV) module	1	Creepage and clearance distances	《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 IEC 61730-1:2004+AMD1:2011+AMD2:2013 9		2024-06-21
		2	visual inspection	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.1		2024-06-21
		3	Accessibility test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		4	Cut Susceptibility Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.3		2024-06-21
		5	Ground continuity test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.4		2024-06-21
		6	Impulse voltage test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.5		2024-06-21
		7	Insulation Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.6		2024-06-21
		8	Temperature Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.7		2024-06-21
		9	Reverse current overload Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.9		2024-06-21
		10	Module Breakage Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 10.1		2024-06-21
		11	Partial discharge test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 11.1		2024-06-21
		12	Conduit bendingtest	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 11.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Terminal box knockout tests	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 11.3		2024-06-21
		14	Creepage and clearance distances	《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 GB/T 20047.1-2006 9		2024-06-21
6	Crystalline silicon terrestrial photovoltaic (PV) modules	1	visual inspection	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.1		2024-06-21
		2	Performance at STC	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.2		2024-06-21
		3	Insulation Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.3		2024-06-21
		4	Measurement of Temperature Coefficients	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.4		2024-06-21
		5	Measurement of NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.5		2024-06-21
		6	Performance at NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.6		2024-06-21
		7	Performance at low irradiance	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.7		2024-06-21
		8	Outdoor Exposure Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.8		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Hot Spot Endurance Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.9		2024-06-21
		10	UV Precondition Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.1		2024-06-21
		11	Thermal cycling Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.11		2024-06-21
		12	Humidity-freeze test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.12		2024-06-21
		13	Damp-heat test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.13		2024-06-21
		14	Robustness of terminations test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.14		2024-06-21
		15	Twist test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.15		2024-06-21
		16	Mechanical load test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 10.16		2024-06-21
	Crystalline silicon	1	visual inspection	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
terrestrial photovoltaic (PV) modules		2	Maximum Power Determination	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.2		2024-06-21
		3	Insulation Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.3		2024-06-21
		4	Measurement of Temperature Coefficients	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.4		2024-06-21
		5	Measurement of NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.5		2024-06-21
		6	Performance at STC and NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.6		2024-06-21
		7	Performance at low irradiance	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.7		2024-06-21
		8	Outdoor Exposure Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.8		2024-06-21
		9	Hot Spot Endurance Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.9		2024-06-21
		10	UV Precondition Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.1		2024-06-21
		11	Thermal cycling Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.11		2024-06-21
		12	Humidity-freeze test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.12		2024-06-21
		13	Damp-heat test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				10.13		
		14	Robustness of terminations test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.14		2024-06-21
		15	Wet leakage current test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.15		2024-06-21
		16	Mechanical load test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.16		2024-06-21
		17	Hail Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.17		2024-06-21
		18	Bypass diode thermal test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 10.18		2024-06-21
8	Thin-film terrestrial photovoltaic (PV) modules	1	visual inspection	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.1	revoked and retained, which can only be used when referenced.	2024-06-21
		2	Performance at STC	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.2	revoked and retained, which can only be	2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					used when referenced.	
		3	Insulation Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.3	revoked and retained, which can only be used when referenced.	2024-06-21
		4	Measurement of Temperature Coefficients	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.4	revoked and retained, which can only be used when referenced.	2024-06-21
		5	Measurement of NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.5	revoked and retained, which can only be used when referenced.	2024-06-21
		6	Performance at NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.6	revoked and retained, which can only be used when referenced.	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Performance at low irradiance	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.7	revoked and retained, which can only be used when referenced.	2024-06-21
		8	Outdoor Exposure Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.8	revoked and retained, which can only be used when referenced.	2024-06-21
		9	Hot Spot Endurance Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.9	revoked and retained, which can only be used when referenced.	2024-06-21
		10	UV Precondition Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.1	revoked and retained, which can only be used when referenced.	2024-06-21
		11	Thermal cycling Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.11	revoked and retained,	2024-06-21



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					which can only be used when referenced.	
		12	Humidity-freeze test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.12	revoked and retained, which can only be used when referenced.	2024-06-21
		13	Damp-heat test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.13	revoked and retained, which can only be used when referenced.	2024-06-21
		14	Robustness of terminations test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.14	revoked and retained, which can only be used when referenced.	2024-06-21
		15	Twist test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.15	revoked and retained, which can only be used when	2024-06-21



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		№	Item/ Parameter			
					referenced.	
		16	Mechanical load test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.16	revoked and retained, which can only be used when referenced.	2024-06-21
		17	Hail Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.17	revoked and retained, which can only be used when referenced.	2024-06-21
		18	light-soaking	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.18	revoked and retained, which can only be used when referenced.	2024-06-21
		19	Annealing test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.19	revoked and retained, which can only be used when referenced.	2024-06-21



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		20	Wet leakage current test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 10.2	revoked and retained, which can only be used when referenced.	2024-06-21
9	Thin-film terrestrial photovoltaic (PV) modules	1	visual inspection	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.1		2024-06-21
		2	Maximum Power Determination	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.2		2024-06-21
		3	Insulation Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.3		2024-06-21
		4	Measurement of Temperature Coefficients	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.4		2024-06-21
		5	Measurement of NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.5		2024-06-21
		6	Performance at STC and NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.6		2024-06-21
		7	Performance at low irradiance	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.7		2024-06-21



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		№	Item/ Parameter			
		8	Outdoor Exposure Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.8		2024-06-21
		9	Hot Spot Endurance Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.9		2024-06-21
		10	UV Precondition Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.1		2024-06-21
		11	Thermal cycling Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.11		2024-06-21
		12	Humidity-freeze test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.12		2024-06-21
		13	Damp-heat test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.13		2024-06-21
		14	Robustness of terminations test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.14		2024-06-21
		15	Wet leakage current test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.15		2024-06-21
		16	Mechanical load test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.16		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		17	Hail Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.17		2024-06-21
		18	Bypass diode thermal test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.18		2024-06-21
		19	light-soaking	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 10.19		2024-06-21
10	Terrestrial photovoltaic (PV) modules	1	visual inspection	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.1		2024-06-21
		2	Maximum Power Determination	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.2		2024-06-21
		3	Insulation Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.3		2024-06-21
		4	Measurement of Temperature Coefficients	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.4		2024-06-21
		5	Measurement of NMOT	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.5		2024-06-21
		6	Performance at STC and NMOT	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.6		2024-06-21



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		№	Item/ Parameter			
		7	Performance at low irradiance	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.7		2024-06-21
		8	Outdoor Exposure Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.8		2024-06-21
		9	Hot Spot Endurance Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.9		2024-06-21
		10	UV Precondition Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.1		2024-06-21
		11	Thermal cycling Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.11		2024-06-21
		12	Humidity-freeze test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.12		2024-06-21
		13	Damp-heat test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.13		2024-06-21
		14	Robustness of terminations test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.14		2024-06-21
		15	Wet leakage current test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.15		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Mechanical load test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.16		2024-06-21
		17	Hail Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.17		2024-06-21
		18	Bypass diode thermal test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.18		2024-06-21
		19	Stabilization	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》 IEC 61215-2-2016 4.19		2024-06-21
11	Flat-Plate Photovoltaic Modules and Panels	1	Temperature test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 19		2024-06-21
		2	Voltage,Current and Power Measurements Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 20		2024-06-21
		3	Leakage Current Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 21		2024-06-21
		4	Strain Relief Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 22		2024-06-21
		5	Push Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 23		2024-06-21
		6	Cut Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 24		2024-06-21
		7	Bonding Path Resistance Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 25		2024-06-21
		8	Dielectric Voltage-	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002		2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			Withstand Test	26		
		9	Wet Insulation-Resistance Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 27		2024-06-21
		10	Reverse Current Overload Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 28		2024-06-21
		11	Terminal Torque Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 29		2024-06-21
		12	Impact test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 30		2024-06-21
		13	Water Spray Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 33		2024-06-21
		14	Accelerated aging Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 34		2024-06-21
		15	Temperature Cycling Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 35		2024-06-21
		16	Humidity Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 36		2024-06-21
		17	Corrosive Atmosphere Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 37		2024-06-21
		18	Metallic Coating Thickness Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 38		2024-06-21
		19	Hot-Spot Endurance Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 39		2024-06-21
		20	Arcing Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 40		2024-06-21
		21	Mechanical load test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 41		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		22	Wiring Compartment Securement Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 42		2024-06-21
12	Photovoltaic (PV) modules	1	Insulation coordination	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 IEC 61730-1:2016 5.6.3		2024-06-21
		2	Distance through insulation(dti)	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 IEC 61730-1:2016 5.6.4		2024-06-21
		3	Visual	《Photovoltaic (PV) modules safety qualification -Part2: Requirements for testing》 IEC 61730-2:2016 10.2		2024-06-21
		4	Visual of rear aluminum film	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.3		2024-06-21
		5	Dimension	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.4		2024-06-21
		6	Integrity of the electrode pattern	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.5		2024-06-21
		7	Electrode color	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.6		2024-06-21
		8	Bend	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.7		2024-06-21
		9	Crack hidden battery	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.8		2024-06-21
		10	Electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.9		2024-06-21
		11	Temperature Coefficients of electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.10		2024-06-21
		12	The initial maximum power of	《General specification of crystalline silicon terrestrial solar		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			the battery light attenuation ratio	cells》 IEC 61730-2:2016 10.11		
		13	Attachment of antireflection film	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.12		2024-06-21
		14	Electrode weldability	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.13		2024-06-21
		15	Electrode anhesion strength and tensile strength between the electrode and solder joint	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.14		2024-06-21
		16	Thermal cycling Test	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 10.15		2024-06-21
		17	Outdoor exposure test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.16		2024-06-21
		18	Shipping vibration test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.18		2024-06-21
		19	Shock test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.19		2024-06-21
		20	UV test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.20		2024-06-21
		21	Thermal cycling test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.21		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		22	Humidity-freeze test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.22		2024-06-21
		23	Damp heat test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.23		2024-06-21
		24	Robustness of terminals test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.24		2024-06-21
		25	Damp heat,cyclic test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 10.25		2024-06-21
		26	Creepage and clearance distances	《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 IEC 61730-2:2016 10.26		2024-06-21
		27	visual inspection	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 10.27		2024-06-21
		28	Accessibility test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 10.28		2024-06-21
		29	Cut Susceptibility Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 10.29		2024-06-21
		30	Ground continuity test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 10.30		2024-06-21
		31	Impulse voltage test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 10.31		2024-06-21
		32	Insulation Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 10.32		2024-06-21
		33	Temperature Test	《Photovoltaic (PV) module safety qualification - Part 2:		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Requirements for testing》 IEC 61730-2:2016 10.33		
		34	Test methods for the detection of potential-induced degradation	《Photovoltaic (PV) modules -Test methods for the detection of potential-induced degradation -Part1: Crystalline silicon》 IEC TS 62804-1:2015		2024-06-21
		35	Cyclic(dynamic) mechanical load testing	《Photovoltaic (PV) modules -Cyclic(dynamic) mechanical load testing》 IEC TS 62782:2016		2024-06-21
13	Terrestrial photovoltaic (PV) modules	1	conversion efficiency	《Test method of conversion efficiency of terrestrial photovoltaic (PV) modules》 GB/T 34160-2017 5		2024-06-21
14	Crystalline silicon solar cell	1	initial light-induced degradation	《Photovoltaic devices- Part11: Test method of initial light-induced degradation of crystalline silicon solar cell》 GB/T 6495.11-2016 4		2024-06-21
15	Terrestrial photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part1: Test requirements 》 IEC 61215-1-2016		2024-06-21
16	crystalline silicon photovoltaic(PV)modules		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part1-1: Special requirements for testing of crystalline silicon photovoltaic(PV)modules 》 IEC 61215-1-1-2016		2024-06-21
17	thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules》 IEC 61215-1-2-2016		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
18	thin-film amorphous silicon based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules》 IEC 61215-1-3-2016		2024-06-21
19	thin-film Cu(In,Ga)(S,Se) ₂ based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se) ₂ based photovoltaic (PV) modules》 IEC 61215-1-4-2016		2024-06-21
20	Photovoltaic (PV) modules		All Parameters	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 IEC 61730-1:2016	Fire test conducted in Zhangjiagang	2024-06-21
21	Photovoltaic (PV) modules		All Parameters	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 IEC 61730-1:2004+A1:2011+A2:2013	Fire test conducted in Zhangjiagang	2024-06-21
22	Photovoltaic devices	1	bifacial photovoltaic (PV) devices	《Photovoltaic devices -Part1-2:Measurement of current-voltage characteristics of bifacial photovoltaic (PV) devices》 IEC TS 60904-1-2: 2019		2024-06-21
		2	electroluminescence	《Photovoltaic devices -Part13:Electroluminescence of photovoltaic modules》 IEC TS 60904-13: 2018		2024-06-21
		3	light-induced degradation of crystalline	《Photovoltaic cells-Part1:Measurement of light-induced degradation of crystalline silicon photovoltaic cells》 IEC 63202-1:2019		2024-06-21
23	Photovoltaic	1	module operating	《Photovoltaic (PV) module performance testing and energy		2024-06-21



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		№	Item/ Parameter			
	modules		temperature	rating Part2:Spectral responsivity,incidence angle and module operating temperature measurements》 IEC 61853-2: 2016 8		
		2	Spectral responsivity	《Photovoltaic (PV) module performance testing and energy rating Part2:Spectral responsivity,incidence angle and module operating temperature measurements》 IEC 61853-2: 2016 6		2024-06-21
		3	incidence angle	《Photovoltaic (PV) module performance testing and energy rating Part2:Spectral responsivity,incidence angle and module operating temperature measurements》 IEC 61853-2: 2016 7		2024-06-21
		4	Salt mist,cyclic (sodium chloride solution)	《Environmental testing-Part2-52:Tests-Test Kb:Salt mist,cyclic (sodium chloride solution)》 IEC 60068-2-52:2017		2024-06-21
24	Photovoltaic modules		All Parameters	《Extended thermal cycling of PV modules-Test procedure》 IEC 62892:2019		2024-06-21
25	Photovoltaic modules		Part of Parameters	《Photovoltaic (PV) modules-Salt mist corrosion testing》 IEC 61701:2020	Except for concentrator photovoltaic (CPV) modules	2024-06-21
26	Photovoltaic modules		All Parameters	《Photovoltaic (PV) modules -Test methods for the detection of potential-induced degradation-Part 1-1:Crystalline silicon-Delamination》 IEC TS 62804-1-1:2020		2024-06-21
27	Photovoltaic modules		All Parameters	《conversion efficiency testing and rating method of photovoltaic modules 》 CQC3309-2014		2024-06-21
28	Photovoltaic modules		Part of Parameters	《Guidelines for qualifying PV modules,components and materials for operation at high temperatures》 IEC TS 63126:2020	Except for components and materials	2024-06-21



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		№	Item/ Parameter			
29	Terrestrial photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval –Part 1: Test requirements》 IEC 61215-1:2021		2024-06-21
30	Terrestrial photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval –Part 2: Test procedures》 IEC 61215-2:2021		2024-06-21
31	Crystalline silicon photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-1: Special requirements for testing of Crystalline silicon photovoltaic (PV) modules》 IEC 61215-1-1:2021		2024-06-21
32	thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules》 IEC 61215-1-2:2021		2024-06-21
33	thin-film amorphous silicon based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules》 IEC 61215-1-3:2021		2024-06-21
34	thin-film Cu(In,Ga)(S,Se) ₂ based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se) ₂ based photovoltaic (PV) modules》 IEC 61215-1-4:2021		2024-06-21
35	Photovoltaic modules		All Parameters	《Photovoltaic (PV) modules – Non-uniform snow load testing》 IEC 62938:2020		2024-06-21
36	Photovoltaic modules		All Parameters	《Photovoltaic modules – Expansioned-stress test ing – Part 1:		2024-06-21



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				Modules》 IEC TS 63209-1:2021		
37	Terrestrial photovoltaic (PV) modules for consumer products		All Parameters	《Terrestrial photovoltaic (PV) modules for consumer products – Design qualification and type approval》 IEC TS 63163:2021		2024-06-21
38	Photovoltaic devices	1	photovoltaic current-voltage characteristics	《Photovoltaic devices – Part 1: Measurement of photovoltaic current-voltage characteristics》 IEC 60904-1:2020		2024-06-21
39	Photovoltaic devices		All Parameters	《Photovoltaic devices – Procedures for temperature and irradiance correction to measured I-V characteristics》 IEC 60891:2021		2024-06-21
40	Photovoltaic devices		Calculation of equivalent cell temperature	《Photovoltaic devices – Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method》 IEC 60904-5:2011+AMD1:2022 7		2024-06-21
41	Photovoltaic cells		Measurement of current-voltage characteristic of bifacial photovoltaic cells	《Photovoltaic cells – Part 3: Measurement of current-voltage characteristics of bifacial photovoltaic cells》 IEC TS 63202-3:2023 6	Except double-sided simultaneous irradiation	2024-06-21
42	Photovoltaic cells		Measurement of light and elevated temperature induced degradation of crystalline silicon photovoltaic cells	《Photovoltaic cells – Part 4: Measurement of light and elevated temperature induced degradation of crystalline silicon photovoltaic cells》 IEC TS 63202-4:2022 6		2024-06-21
43	Perovskite photovoltaic cells and modules		All Parameters	《Test method of current-voltage (I-V) characterization of perovskite photovoltaic cells and modules》 T/CPIA 0032-2022		2024-06-21



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44	C-Siphotovoltaic(PV)modules		Measurementoflight andelevatedtemperat ureinduceddegradati onofcrystallinesilico np photovoltaiccells	《C-Siphotovoltaic(PV)modules– Lightandelevatedtemperatureinduceddegradation(LETID)test– Detection》 IECTS63342:2022 6		2024-06-21
45	Photoviticmod ules		AllParameters	《Photovoltaic(PV)modules– Qualifyingguidelinesforincreasedhailresistance》 IECTS63397:2022		2024-06-21
46	Photoviticmod ules		AllParameters	《Photovoltaic(PV)modulesafetyqualification- Part1:Requirementsforconstruction》 IEC61730-1:2023		2024-06-21
47	Photoviticmod ules		AllParameters	《Photovoltaic(PV)modulesafetyqualification– Part2:Requirementsfortesting》 IEC61730-2:2023	Fire test conducted in Zhangjiaga ng	2024-06-21
48	Photoviticmod ules		AllParameters	《Photovoltaic(PV)modules– Typeapproval,designandsafetyqualification–Retesting》 IECTS62915:2023	Fire test conducted in Zhangjiaga ng	2024-06-21
49	Photoviticmod ules		AllParameters	《Photovoltaic(PV)modulesafetyqualification– Part2:Requirementsfortesting》 UL61730-2:2022	Fire test conducted in Zhangjiaga ng	2024-06-21
(2)、PV components						
1	Junction Boxes For PV Modules	1	Durability of marking	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.2		2024-06-21



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				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.2		2024-06-21
		2	Resistance to corrosion	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.7		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.7		2024-06-21
		3	Flammability class	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.12		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.12		2024-06-21
		4	Weatherresistance test	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.11		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.11		2024-06-21
		5	Glow wire test	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.14		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.14		2024-06-21
		6	Ball pressure test	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.13		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.13		2024-06-21
		7	Resistance against ageing	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.15		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.15		2024-06-21
		8	Protection against electric shock	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.4.1		2024-06-21

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				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.4.1		2024-06-21
		9	Clearances and creepage distances	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.5		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.5		2024-06-21
		10	Wall thickness	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 4.8.2		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 4.8.2		2024-06-21
		11	Terminations and connection methods	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.19		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.19		2024-06-21
		12	Knock-out inlets(outlets)	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.20		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.20		2024-06-21
		13	Cord anchorage	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.21		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.21		2024-06-21
		14	Mechanical strength at low temperatures	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.8		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.8		2024-06-21
		15	Fixing of lid	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.3		2024-06-21



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		№	Item/ Parameter			
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.3		2024-06-21
		16	Retention on themounting surface	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.22		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.22		2024-06-21
		17	Degree ofprotection	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.4.2		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.4.2		2024-06-21
		18	Dielectric strength	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.6		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.6		2024-06-21
		19	Wet leakagecurrent test	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.16		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.16		2024-06-21
		20	Thermal cycletest	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.9		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.9		2024-06-21
		21	Damp heat	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.10		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.10		2024-06-21
		22	Humidity-freezetest	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.17		2024-06-21



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		№	Item/ Parameter			
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.17		2024-06-21
		23	Bypass diodethermal test	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.18		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.18		2024-06-21
		24	Reverse currenttest at junctionbox	《Junction Boxes For PV Modules》 EN 50548: 2011+A1:2013 5.3.23		2024-06-21
				《Junction Boxes For PV Modules》 BS EN 50548: 2011 5.3.23		2024-06-21
2	Junction Boxes For PV Modules	1	thickness	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 4.7.2		2024-06-21
		2	Basic structure	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 4.7.5		2024-06-21
		3	Marking	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.2		2024-06-21
		4	fixed plate	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.3		2024-06-21
		5	Electrical safety protection	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.4		2024-06-21
		6	Creepage distances and clearances	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.5		2024-06-21
		7	Dielectricstrength	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.6		2024-06-21
		8	Corrosiontest	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.7		2024-06-21
		9	Mechanical strength	《Technical specifications of main parts for terrestrialsolar cell		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			at lower temperatures	modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.8		
		10	Thermalcycle test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.9		2024-06-21
		11	Damp heat	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.10		2024-06-21
		12	Weatherresistance	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.11		2024-06-21
		13	Flammability	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.12		2024-06-21
		14	heat resistance	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.13		2024-06-21
		15	Glow wire test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.14		2024-06-21
		16	Resistanceagainst ageing	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.15		2024-06-21
		17	Wet leakagecurrent test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.16		2024-06-21
		18	Humidity-freezetest	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.17		2024-06-21
		19	Bypass diodethermal test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.18		2024-06-21
		20	interface and connection method	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.19		2024-06-21
		21	Knock-out inlets(outlets)	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.20		2024-06-21



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3	Junction Boxes For PV Modules	22	Cord anchorage	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.21		2024-06-21
		23	Retention on themounting surface	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1: Junction box》 CGC/GF 002.1:2009 5.3.22		2024-06-21
		1	Durability of marking	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.2		2024-06-21
		2	Resistance to corrosion	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.7		2024-06-21
		3	Flammability class	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.12		2024-06-21
		4	Weatherresistance test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.11		2024-06-21
		5	Glow wire test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.14		2024-06-21
		6	Glow wire test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.14		2024-06-21
		7	Ball pressure test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.13		2024-06-21
		8	Resistanceagainst ageing	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.15		2024-06-21
		9	Protection againstelectric shock	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.4.1		2024-06-21
		10	Clearances andcreepagedistance s	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.5		2024-06-21
		11	Wall thickness	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 4.8.2		2024-06-21



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		№	Item/ Parameter			
		12	Terminations and connection methods	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.19		2024-06-21
		13	Knock-out inlets(outlets)	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.20		2024-06-21
		14	Cord anchorage	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.21		2024-06-21
		15	Mechanical strength at lower temperatures	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.8		2024-06-21
		16	Fixing of lid	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.3		2024-06-21
		17	Retention on the mounting surface	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.22		2024-06-21
		18	Degree of protection	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.4.2		2024-06-21
		19	Dielectric strength	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.6		2024-06-21
		20	Wet leakage current test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.16		2024-06-21
		21	Thermal cycle test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.9		2024-06-21
		22	Damp heat	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.10		2024-06-21
		23	Humidity-freeze test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.17		2024-06-21
		24	Bypass diode thermal test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.18		2024-06-21



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		№	Item/ Parameter			
		25	Reverse current test at junction box	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 5.3.23		2024-06-21
4	Junction Boxes For PV Modules	1	Durability of marking	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.2		2024-06-21
		2	Resistance to corrosion	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.7		2024-06-21
		3	Flammability class	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.12		2024-06-21
		4	Weather resistance test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.11		2024-06-21
		5	Glow wire test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.14		2024-06-21
		6	Ball pressure test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.13		2024-06-21
		7	Resistance against ageing	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.15		2024-06-21
		8	Protection against electric shock	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.4.1		2024-06-21
		9	Clearances and creepage distances	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.5		2024-06-21
		10	Wall thickness	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 4.8.2		2024-06-21
		11	Terminations and connection methods	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.19		2024-06-21



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		№	Item/ Parameter			
		12	Knock-out inlets(outlets)	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.20		2024-06-21
		13	Cord anchorage	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.21		2024-06-21
		14	Mechanical strength at low temperatures	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.8		2024-06-21
		15	Fixing of lid	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.3		2024-06-21
		16	Retention on the mounting surface	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.22		2024-06-21
		17	Degree of protection	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.4.2		2024-06-21
		18	Dielectric strength	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.6		2024-06-21
		19	Wet leakage current test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.16		2024-06-21
		20	Thermal cycle test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.9		2024-06-21
		21	Damp heat	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.10		2024-06-21
		22	Humidity-freeze test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.17		2024-06-21
		23	Bypass diode thermal test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.18		2024-06-21
		24	Reverse current test at junction box	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 5.3.23		2024-06-21



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		25	Initial measurement (Contact resistance)	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 Table 12E1		2024-06-21
		26	Final measurement (Contact resistance)	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 Table 12E6		2024-06-21
		27	Qualification of conformal coatings for protection against pollution	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 Annex B		2024-06-21
5	Connectors for photovoltaic systems	1	Marking and identification	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 5.2		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 5.2		2024-06-21
		2	Provision against incorrect mating	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 5.3		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 5.3		2024-06-21
		3	Terminations and connection methods	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 5.5		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 5.5		2024-06-21
		4	Contact retention in insert	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 5.15.2		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 5.15.2		2024-06-21
		5	Cable anchorage	《Connectors for photovoltaic systems-Safety requirements and		2024-06-21



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		№	Item/ Parameter			
				tests » EN 50521:2008 5.14		
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 5.14		2024-06-21
		6	Mechanical strength	《Connectors for photovoltaic systems-Safety requirements and tests » EN 50521:2008 6.5		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.5		2024-06-21
		7	Mechanical strength at lower temperatures	《Connectors for photovoltaic systems-Safety requirements and tests » EN 50521:2008 6.3.10		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.10		2024-06-21
		8	Insertion and withdrawal force	《Connectors for photovoltaic systems-Safety requirements and tests » EN 50521:2008 6.3.13		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.13		2024-06-21
		9	Effectiveness of connector coupling device	《Connectors for photovoltaic systems-Safety requirements and tests » EN 50521:2008 6.3.14		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.14		2024-06-21
		10	Initial measurement	《Connectors for photovoltaic systems-Safety requirements and tests » EN 50521:2008 6.5		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.5		2024-06-21
		11	Mechanical operation	《Connectors for photovoltaic systems-Safety requirements and tests » EN 50521:2008 6.3.5		2024-06-21



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				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.5		2024-06-21
		12	Final measurement	《Connectors for photovoltaic systems-Safety requirements and tests》 EN 50521:2008 6.5		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.5		2024-06-21
		13	Bending test	《Connectors for photovoltaic systems-Safety requirements and tests》 EN 50521:2008 6.3.6		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.6		2024-06-21
		14	Temperature rise test	《Connectors for photovoltaic systems-Safety requirements and tests》 EN 50521:2008 6.3.4		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.4		2024-06-21
		15	Dry heat	《Connectors for photovoltaic systems-Safety requirements and tests》 EN 50521:2008 6.5		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.5		2024-06-21
		16	Thermal cycle test	《Connectors for photovoltaic systems-Safety requirements and tests》 EN 50521:2008 6.3.11		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.11		2024-06-21
		17	Damp heat	《Connectors for photovoltaic systems-Safety requirements and tests》 EN 50521:2008 6.3.12		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.12		2024-06-21



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		18	Dielectricstrength	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 6.3.8		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.8		2024-06-21
		19	Corrosiontest	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 6.3.9		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.9		2024-06-21
		20	Degree ofprotection	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 6.3.3		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.3.3		2024-06-21
		21	Weatherresistance	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 6.5		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 6.5		2024-06-21
		22	Flammability	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 5.20		2024-06-21
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 5.20		2024-06-21
6	Connectors for DC-application in photovoltaic systems	1	Identification	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 5.2		2024-06-21
		2	marking	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.2		2024-06-21



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		№	Item/ Parameter			
		3	Polarisation	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 5.3		2024-06-21
		4	Creepage distances and clearances	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.7		2024-06-21
		5	Terminations and connection methods	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.15		2024-06-21
		6	Contact retention in insert	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 5.15.2		2024-06-21
		7	Cable anchorage	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 5.14		2024-06-21
		8	Mechanical strength	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 Table 6A7		2024-06-21
		9	Mechanical strength at lower temperatures	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.10		2024-06-21
		10	Insertion and withdrawal force	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.13		2024-06-21
		11	Effectiveness of connector coupling device	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.14		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Initial measurement	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 Table 6 B1、D1、E1		2024-06-21
		13	Mechanical operation	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.5		2024-06-21
		14	Final measurement	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 Table 6 B3、C2、D4、E6		2024-06-21
		15	Bending test	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.6		2024-06-21
		16	Temperature rise test	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.4		2024-06-21
		17	Dry heat	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 Table 6D3		2024-06-21
		18	Thermal cycle test	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.11		2024-06-21
		19	Damp heat	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.12		2024-06-21
		20	Dielectric strength	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.8		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		21	Corrosion test	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.9		2024-06-21
		22	protection against electric shock	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 6.3.3		2024-06-21
		23	Weather resistance	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 Table 6G1		2024-06-21
		24	Flammability	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 Table 6G4、G3		2024-06-21
7	Connector	1	identification	《Technical specifications of selected materials of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 5.2		2024-06-21
		2	Provision against incorrect mating	《Technical specifications of selected materials of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 5.3		2024-06-21
		3	tensile strength	《Technical specifications of selected materials of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 5.14		2024-06-21
		4	Mechanical strength at lower temperatures	《Technical specifications of selected materials of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.10		2024-06-21
		5	Insertion and withdrawal force	《Technical specifications of selected materials of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.13		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Effectiveness of connector coupling device	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.14		2024-06-21
		7	Mechanicaloperation	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.5		2024-06-21
		8	Bending test	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.6		2024-06-21
		9	Temperaturerise test	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.4		2024-06-21
		10	Thermalcycle test	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.11		2024-06-21
		11	Damp heat	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.12		2024-06-21
		12	Dielectricstrength	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.8		2024-06-21
		13	Corrosiontest	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.9		2024-06-21
		14	protection against electric shock	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2: Connector》 CGC/GF 021: 2012 6.3.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
8	DC connector for terrestrial photovoltaic systems	1	visual inspection	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part2: General examination,electrical continuity and contact resistance tests and voltage stress tests 》 GB/T5095.2-1997 1&2		2024-06-21
		2	Initial measurement	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part2: General examination,electrical continuity and contact resistance tests and voltage stress tests 》 GB/T5095.2-1997 4		2024-06-21
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 B1		2024-06-21
		3	bending test	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.5		2024-06-21
		4	Dry heat	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part 6:Climatic tests and soldering tests》 GB/T5095.6-1997 9		2024-06-21
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 D3		2024-06-21
		5	Dielectric strength	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.8b)		2024-06-21
		6	Mechanical operation	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part5: Impact tests(free components),static load tests(fixed components),endurance tests and overload tests》 GB/T5095.5-1997 6		2024-06-21
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.3		2024-06-21
		7	Terminations	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part8:connector		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				tests(mechanical)and mechanical tests on contacts and terminations》 GB/T5095.8-1997 3.4		
		8	Cable clamp	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.12		2024-06-21
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part9: Miscellaneous tests》 GB/T5095.9-1997 3&4		2024-06-21
		9	Mechanical strength	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part5: Impact tests(free components),static load tests(fixed components),endurance tests and overload tests》 GB/T5095.5-1997 2		2024-06-21
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 A7		2024-06-21
		10	Durability of marking	《Environmental testing for electric and electronic products-Part 2: Test methods-Test Xb: Abrasion of markings and letterings caused by rubbing of fingers and hands》 GB/T2423.53-2005 8		2024-06-21
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.2		2024-06-21
		11	Mechanical strength at lower temperature	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.6		2024-06-21
		12	Temperature rise test	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.11		2024-06-21
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part3:Current-carrying capacity tests》 GB/T5095.3-1997 1		2024-06-21
		13	Corrosion test	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.13.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Weather resistance	《DC connector for terretrial photovoltaic systems》 GB/T33765-2017 5.9.3		2024-06-21
				《Plastics-methods of exposure to laboratorty light sources part 2: Xenon-arc sources》 GB/T16422.2-2014 7	revoked and retained, which can only be used when referenced.	2024-06-21
		15	Degree of protection	《DC connector for terretrial photovoltaic systems》 GB/T33765-2017 5.3		2024-06-21
		16	Contact retention in insert	《DC connector for terretrial photovoltaic systems》 GB/T33765-2017 5.5.1		2024-06-21
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part8:connector tests(mechanical)and mechanical tests on contacts and terminations》 GB/T5095.8-1997 2.1		2024-06-21
		17	Polarisation	《DC connector for terretrial photovoltaic systems》 GB/T33765-2017 5.5.4		2024-06-21
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part7: Mechanical operating tests and sealing tests》 GB/T5095.7-1997 5		2024-06-21
		18	Effectives of connector coupling device	《DC connector for terretrial photovoltaic systems》 GB/T33765-2017 5.5.2		2024-06-21
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part8:connector tests(mechanical)and mechanical tests on contacts and terminations》 GB/T5095.8-1997 2.6		2024-06-21
		19	change of temperature	《DC connector for terretrial photovoltaic systems》 GB/T33765-2017 5.5.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《Environmental testing -Part2:Test methods-Test N:change of temperature》 GB/T2423.22-2012 7.2		2024-06-21
9	Photovoltaic (PV) stand alone systems	1	wiring	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 8.3		2024-06-21
		2	testing conditions	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.1		2024-06-21
		3	initial capacity test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.2		2024-06-21
		4	battery charge cycle	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.3		2024-06-21
		5	system functional test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.4		2024-06-21
		6	second capacity test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.5		2024-06-21
		7	recovery test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.6		2024-06-21
		8	final capacity test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.7		2024-06-21
		9	operation at maximum voltage	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 16.8		2024-06-21
		10	testing conditions,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.1		2024-06-21
		11	initial capacity test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.2		2024-06-21
		12	battery charge cycle,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.3		2024-06-21
		13	system functional test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.4		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	second capacity test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.5		2024-06-21
		15	recovery test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.6		2024-06-21
		16	final capacity test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.7		2024-06-21
		17	operation at maximum voltage,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 14.8		2024-06-21
		18	testing conditions,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.1		2024-06-21
		19	initial capacity test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.2		2024-06-21
		20	battery charge cycle,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.3		2024-06-21
		21	system functional test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.4		2024-06-21
		22	second capacity test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.5		2024-06-21
		23	recovery test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.6		2024-06-21
		24	final capacity test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.7		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		25	operation at maximum voltage,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.8		2024-06-21
		26	visual inspection,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 15.9		2024-06-21
10	PV Combiner Assemblies	1	Over current protection	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.7		2024-06-21
		2	Communication display	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 7.2.3		2024-06-21
		3	Shell protection class	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.3.1		2024-06-21
		4	insulation resistance	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.9.2		2024-06-21
		5	Clearances and creepage distances	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.5		2024-06-21
		6	earthing continuity	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.8		2024-06-21
		7	Low temperature start and communication display	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.10.2		2024-06-21
		8	High temperature work and communication display	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.10.3		2024-06-21
		9	Alternating damp heat	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.10.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	impact	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.3.2		2024-06-21
		11	temperature rise	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.10.4		2024-06-21
		12	Static load	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.3.3		2024-06-21
		13	Corrosion protection	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.4.1		2024-06-21
		14	Ultraviolet radiation resistance	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.4.2		2024-06-21
		15	Flame retardant grade	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.4.3		2024-06-21
		16	Ball pressure test	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.4.4.1		2024-06-21
		17	Glow wire test	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.4.4.2		2024-06-21
		18	Connection reliability	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.6		2024-06-21
		19	Power frequency withstand voltage	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.9.1 6.9.2		2024-06-21
		20	Impulse withstand voltage	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 6.9.1 6.9.3		2024-06-21
11	Electronic control device for solar photovoltaic lighting		part parameters	《Electronic controllers for solar photovoltaic(PV)lighting-Performance specifications applications》 GB/T 26849-2011		2024-06-21



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		№	Item/ Parameter			
12	Bypass diode		all parameters	《Photovoltaic modules – Bypass diode – Thermal runaway test》 IEC 62979:2017		2024-06-21
13	lighting column		Part of parameters	《Lamp poles-Part 1: General requirements》 QB/T 5093.1-2017	The impact resistance and strength design and check of the access door are unexpected	2024-06-21
14	lighting column		Part of parameters	《Lamp poles-Part 2: Steel lamp poles》 QB/T 5093.2-2017	The impact resistance and strength design and check of the access door are unexpected	2024-06-21
15	photovoltaic stand-alone systems		all parameters	《The certificate technical specification of photovoltaic (PV) stand-alone systems applies to low-temperature》 CBC 2102-2019		2024-06-21
16	photovoltaic stand-alone systems		all parameters	《The certificate technical specification of photovoltaic (PV) stand-alone systems applies to high temperature-high humidity》 CBC 2103-2019		2024-06-21
17	Junction box of photovoltaic modules for ground use			《Technical conditions of junction box of photovoltaic modules for ground use》 GB/T 37410-2019		2024-06-21



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18	military materiel		Part of parameters	《Laboratory environmental test methods for military materiel Part 18: Shock test》 GJB 150.18A-2009	only transport fall	2024-06-21
19	military materiel	1	environmental test	《Laboratory environmental test methods for military materiel Part 7: Solar radiation test》 GJB 150.7A-2009 4		2024-06-21
		2	environmental test	《humidity for logistics equipment temperature and Laboratory test methods of high temperature and low temperature》 GJB 5727-2006 4		2024-06-21
		3	environmental test	《Laboratory environmental test methods for military materiel—Part 8: Rain test》 GJB 150.8A -2009 4.2		2024-06-21
20	solar home system	1	Visual inspection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.1.1		2024-06-21
		2	Hail test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.1.4.9		2024-06-21
		3	Disconnect with full charge and recovery function	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.3		2024-06-21
		4	Temperature compensation	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.5		2024-06-21
		5	Disconnect with overdischarge and recovery function	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.6		2024-06-21
		6	loss without load	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.7		2024-06-21
		7	Controller charge and discharge circuit voltage drop	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.8		2024-06-21
		8	Vibration resistance	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.9		2024-06-21



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		№	Item/ Parameter			
		9	Load short-circuit protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.10.1		2024-06-21
		10	Internal short circuit protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.10.2		2024-06-21
		11	Reverse-discharge protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.10.3		2024-06-21
		12	Reverse polarity protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.10.4		2024-06-21
		13	Impact resistance voltage	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.11		2024-06-21
		14	Impact resistance current	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.12		2024-06-21
		15	Low temperature storage test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.13.1		2024-06-21
		16	Low temperature test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.13.2		2024-06-21
		17	High temperature storage test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.13.3		2024-06-21
		18	High temperature test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.13.4		2024-06-21
		19	Damp heat test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.2.13.5		2024-06-21
		20	Start performance	《solar home system specifications and test procedure》 GB/T 19064-2003 8.3.4		2024-06-21
		21	Rated power	《solar home system specifications and test procedure》 GB/T 19064-2003 6.4.2.1		2024-06-21
		22	Life expectancy	《solar home system specifications and test procedure》 GB/T 19064-2003 6.4.5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		23	Working frequency	《solar home system specifications and test procedure》 GB/T 19064-2003 6.4.7		2024-06-21
		24	Output voltage range	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.2		2024-06-21
		25	Output frequency	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.3		2024-06-21
		26	The output voltage waveform distortion	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.4		2024-06-21
		27	Efficiency	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.5		2024-06-21
		28	Noise	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.6		2024-06-21
		29	Load capacity	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.7		2024-06-21
		30	Quiescent Current	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.8		2024-06-21
		31	Undervoltage protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.9.1		2024-06-21
		32	Overcurrent protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.9.2		2024-06-21
		33	Short circuit protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.9.3		2024-06-21
		34	Reverse polarity protection	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.9.4		2024-06-21
		35	Insulation resistance	《solar home system specifications and test procedure》 GB/T 19064-2003 6.5.11.1		2024-06-21
		36	Insulation strength	《solar home system specifications and test procedure》 GB/T 19064-2003 6.5.11.2		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		37	Output Security	《solar home system specifications and test procedure》 GB/T 19064-2003 6.5.12		2024-06-21
		38	Low temperature storage test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.11.1		2024-06-21
		39	Low temperature test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.11.2		2024-06-21
		40	High temperature storage test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.11.3		2024-06-21
		41	High temperature test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.11.4		2024-06-21
		42	Damp heat test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.11.5		2024-06-21
		43	Vibration test	《solar home system specifications and test procedure》 GB/T 19064-2003 8.4.11.6		2024-06-21
21	LED road and street lighting systems	1	depth of discharge	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 6.1		2024-06-21
		2	conversion efficiency	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 6.2		2024-06-21
		3	autonomous run time	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 6.3		2024-06-21
		4	recovery test	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 6.4		2024-06-21
		5	controller	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 6.5		2024-06-21
22	LED lamps for road lighting	1	Dimensions	《LED lamps for road lighting-performance specification》 GB/T 24907-2010 6.2		2024-06-21
23	electrochemical energy		Part of parameters	《Test specification for electrochemical energy storage system connected to power grid》 GB/T 36548-2018	except for three-phase	2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	storage system				voltage unbalance test、 harmonic test、 communica tion test	
24	Systems and Equipment		Part of parameters	《STANDARD FOR SAFETY: Systems and Equipment》 ANSI /CAN/ UL 9540: 2020	except for leakage tests、 strength tests、 installation in seismic environmen ts.Electrom agnetic immunity tests is carried out in Dongting.	2024-06-21
25	Lamps and lamp systems		All parameters	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006		2024-06-21
		1	Exposure limits for skin and eye photochemical UV hazards	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.1		2024-06-21
		2	Exposure limits for near-ultraviolet light	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			hazards of the eyes			
		3	Exposure limits for retinal blue light hazards	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.3		2024-06-21
		4	Exposure limits for retinal blue light hazards (small light sources)	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.4		2024-06-21
		5	Exposure limits for retinal thermal hazards	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.5		2024-06-21
		6	Retinal thermal hazard exposure limit - for weak visual stimuli	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.6		2024-06-21
		7	Exposure limits for infrared radiation hazards to the eyes	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.7		2024-06-21
		8	Skin heat hazard exposure limit	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3.8		2024-06-21
26	Light sources and luminaires		All parameters	《Application of GB/T 20145 for the assessment of blue light hazard to light sources and luminaires》 GB/Z 39942-2021		2024-06-21
		1	Spectral,color temperature,and blue light hazards	《Application of GB/T 20145 for the assessment of blue light hazard to light sources and luminaires》 GB/Z 39942-2021 5		2024-06-21
		2	Exposure limits for radiation hazards	《Photobiological safety of lamps and lamp systems》 GB/T 20145-2006 4.3		2024-06-21
27	Electric power plant with		Part of Parameters	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020	Accredited only for	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	internal combustion engines				infrared stealth measurement, voltage setting range measurement, steady-state adjustment rate and fluctuation rate measurement of voltage and frequency, steady-state frequency adjustment rate measurement during dual frequency power generation, steady-state voltage adjustment rate	

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					measureme nt of power frequency machine during dual frequency power generation, steady-state voltage adjustment rate measureme nt of intermediat e frequency machine during dual frequency power generation, steady-state voltage adjustment rate measureme nt of intermediat e frequency machine during	

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					variable frequency power generation, transient adjustment rate and stability time measurement of voltage and frequency Measurement of transient adjustment rate and stability time of voltage and frequency during dual frequency power generation, measurement of transient voltage adjustment	

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					rate under simulated motor load, inspection of no-load voltage setting range (intermediate frequency), inspection of no-load voltage setting range (DC), measurement of steady-state voltage range (intermediate frequency)	
		1	Infrared stealth measurement	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 1202		2024-06-21
		2	Measurement of voltage setting range	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 401		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	Measurement of steady-state adjustment rate of voltage and frequency and fluctuation rate of voltage and frequency	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 402		2024-06-21
		4	Measurement of steady-state frequency adjustment rate during dual frequency power generation	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 403		2024-06-21
		5	Measurement of steady-state voltage adjustment rate of power frequency machine during dual frequency power generation	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 404		2024-06-21
		6	Measurement of steady-state voltage adjustment rate of intermediate frequency machine during dual frequency power generation	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 405		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Measurement of steady-state voltage adjustment rate of intermediate frequency machine during variable frequency power generation	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 406		2024-06-21
		8	Measurement of transient adjustment rate and stability time of voltage and frequency	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 407		2024-06-21
		9	Transient adjustment rate and stability time measurement of voltage and frequency during dual frequency power generation	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 408		2024-06-21
		10	Measurement of transient voltage regulation rate under simulated motor load	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 409		2024-06-21
		11	Inspection of no-load voltage setting range (intermediate frequency)	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 410		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Inspection of no-load voltage setting range (DC)	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 411		2024-06-21
		13	Measurement of steady-state voltage range (intermediate frequency)	《General test methods for military electric power plant with internal combustion engines》 GJB 1488A-2020 Method 412		2024-06-21
28	Junction boxes for photovoltaic modules		All parameters	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020		2024-06-21
		1	Marking	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.2.2		2024-06-21
		2	Technical documentation	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.2.3		2024-06-21
		3	Approval of attached components	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.4、4.5、4.6		2024-06-21
		4	Durability of marking	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.2		2024-06-21
		5	Resistance to corrosion	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.7		2024-06-21
		6	Flammability class	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.12.1		2024-06-21
		7	Weather resistance test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.11		2024-06-21
		8	Glow wire test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.14		2024-06-21
		9	Ball pressure test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.13		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Resistance against ageing	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.15		2024-06-21
		11	Flammability class	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.12.2		2024-06-21
		12	Protection against electric shock	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.3.3		2024-06-21
		13	Protection against electric shock	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.4.1		2024-06-21
		14	General construction	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.8.2、4.8.4		2024-06-21
		15	Terminations and connection methods	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.4.2		2024-06-21
		16	Clearances and creepage distances	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.5、4.14、4.15		2024-06-21
		17	Wall thickness	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.16.1a)		2024-06-21
		18	Lids	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 4.3.2		2024-06-21
		19	Terminations and connection methods	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.19		2024-06-21
		20	Knock-out inlets(outlets)	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.20		2024-06-21
		21	Cord anchorage	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.21		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		22	Mechanical strength at low temperatures	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.8		2024-06-21
		23	Fixing of lid	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.3		2024-06-21
		24	Initial measurement	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.19		2024-06-21
		25	Wet leakage current test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.16		2024-06-21
		26	Thermal cycle test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.9		2024-06-21
		27	Dielectric strength	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.6.b)		2024-06-21
		28	Dielectric strength	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.6.a)		2024-06-21
		29	Final measurement	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.19		2024-06-21
		30	Damp heat	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.10		2024-06-21
		31	Resistance against creeping	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.10		2024-06-21
		32	Retention on the mounting surface	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.22		2024-06-21
		33	Thermal cycle test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.9.3		2024-06-21
		34	Humidity-freeze test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.17		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		35	Bypass diodethermal test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.18		2024-06-21
		36	Reverse currenttest at junction box	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.23		2024-06-21
		37	Degree of protection	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 5.3.4.2		2024-06-21
		38	Qualification of conformal coatings for protection against pollution	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790:2020 Annex B		2024-06-21
(3)、Electrical						
1	electric vehicle conduction charging system	1	Protection against electric shock	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 7.2	revoked and retained, which can only be used when referenced.	2024-06-21
		2	Capacitance discharge	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 7.3	revoked and retained, which can only be used when referenced.	2024-06-21
		3	Impact of current	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 9.7	revoked and retained, which can	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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					only be used when referenced.	
		4	Touch current	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.2	revoked and retained, which can only be used when referenced.	2024-06-21
		5	Insulation resistance	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.3	revoked and retained, which can only be used when referenced.	2024-06-21
		6	Dielectric strength	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.4	revoked and retained, which can only be used when referenced.	2024-06-21
		7	The impact pressure	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.5	revoked and retained, which can only be used when referenced.	2024-06-21



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		8	scram	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 13	revoked and retained, which can only be used when referenced.	2024-06-21
		9	Control circuit parameters test	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 Annex A.1	revoked and retained, which can only be used when referenced.	2024-06-21
		10	Control circuit parameters test	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 Annex B.2	revoked and retained, which can only be used when referenced.	2024-06-21
2	Electric vehicle conductive charging system	1	Charging cable overload protection	《Electric vehicle conductive charging system Part 1: General requirements》 GB/T 18487.1-2015 12.2	revoked and retained, which can only be used when referenced.	2024-06-21
		2	Charging cable Short circuit protection	《Electric vehicle conductive charging system Part 1: General requirements》 GB/T 18487.1-2015 12.3	revoked and retained,	2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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					which can only be used when referenced.	
		3	The temperature rise of the limit	《Electric vehicle conductive charging system Part 1: General requirements》 GB/T 18487.1-2015 11.6.2	revoked and retained, which can only be used when referenced.	2024-06-21
3	AC charging coupler	1	rating of the Ac charging interface	《Connection set for conductive charging of electric vehicles - Part 2:AC charging coupler》 GB/T 20234.2-2015 5		2024-06-21
		2	The structure size and installation size	《Connection set for conductive charging of electric vehicles - Part 2:AC charging coupler》 GB/T 20234.2-2015 7		2024-06-21
4	Connection set for conductive charging of electric vehicles	1	Latching of the retaining device	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 7.3	revoked and retained, which can only be used when referenced.	2024-06-21
		2	Insert pull force	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 7.4	revoked and retained, which can only be used when referenced.	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		3	protection grade	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 7.9	revoked and retained, which can only be used when referenced.	2024-06-21
		4	Temperature rise	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 7.13	revoked and retained, which can only be used when referenced.	2024-06-21
5	DC charging coupler	1	rating of the Ac charging interface	《Connection set for conductive charging of electric vehicles - Part 3: DC charging coupler》 GB/T 20234.3-2015 5	revoked and retained, which can only be used when referenced.	2024-06-21
		2	The structure size and installation size	《Connection set for conductive charging of electric vehicles - Part 3: DC charging coupler》 GB/T 20234.3-2015 7	revoked and retained, which can only be used when referenced.	2024-06-21
6	off-board charger		All parameters	《Inspection and test specifications for electric vehicle charging equipment Part 1: off-board charger》 NB/T 33008.1-2018	The electromag netic	2024-06-21

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					compatibility project was launched in dongting	
7	electric vehicle off-board conductive charger		Part of the parameters	《Specification for electric vehicle off-board conductive charger》 NB/T 33001-2018	except for three (mildew) protection, wind protection. The electromagnetic compatibility project was launched in dongting	2024-06-21
8	electric vehicle AC charging point		Part of the parameters	《Specification for electric vehicle AC charging spot》 NB/T 33002-2018	except for three (mildew) protection. The electromagnetic compatibility project was launched in dongting	2024-06-21



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9	charging spot		All parameters	《Inspection and test specifications for electric vehicle charging equipment Part 2: A.C.charging spot》 NB/T 33008.2-2018	The electromagnetic compatibility project was launched in dongting	2024-06-21
10	electric vehicle conductive charging system	1	Protection against electric shock	《Electric vehicle conductive charging system-art1:General requirements》 IEC 61851-1-2017 8	Accredited only for 8.1 Degrees of protection against access to hazardous-live-parts,8.2. Stored energy	2024-06-21
		2	IP degrees	《Degrees of protection provided by enclosures (IP Code)》 IEC 60529-2013		2024-06-21
		3	Insulation resistance	《Electric vehicle conductive charging system-art1:General requirements》 IEC 61851-1-2017 12.5		2024-06-21
		4	Touch current	《Electric vehicle conductive charging system-art1:General requirements》 IEC 61851-1-2017 12.6		2024-06-21
		5	AC withstand voltage	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 61851-1-2017 12.7.1		2024-06-21
		6	Impulse dielectric withstand (1,2 μs/50 μs)	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 61851-1-2017 12.7.2		2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Damp heat functional test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 60068-2-30-2005 Test Db		2024-06-21
		8	Minimum temperature functional test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 60068-2-1-2007 test Ab		2024-06-21
11	Electric vehicle conductive supply equipment		All parameters	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024	Immunity test, emission test, and insulation component heat resistance test are conducted in Dongting	2025-06-10
		1	Environmental adaptability test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.1		2025-06-10
		2	General inspection	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.2.1		2025-06-10
		3	Check handles and manual controls	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.2.2		2025-06-10
		4	Connection and splicing check	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.2.3		2025-06-10
		5	Wiring check	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.2.4		2025-06-10
		6	Opening inspection	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.2.5		2025-06-10



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		№	Item/ Parameter			
		7	Protection class test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.2.6		2025-06-10
		8	Anti-shock test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.1.1		2025-06-10
		9	Prevent accidental voltage tests	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.1.2		2025-06-10
		10	Ground test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.1.3		2025-06-10
		11	Residual current protection check	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.2		2025-06-10
		12	Electrical isolation inspection	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.3		2025-06-10
		13	Electrical clearance and creepage distance test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.4		2025-06-10
		14	Contact current test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.5		2025-06-10
		15	Insulation resistance test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.6		2025-06-10
		16	Power frequency withstand voltage test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.7.1		2025-06-10
		17	Impulse voltage test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.3.7.2		2025-06-10
		18	Output overvoltage protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.1		2025-06-10
		19	Output overcurrent protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.1		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				equipment》 GB 39752-2024 7.4.2		
		20	Short-circuit protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.3		2025-06-10
		21	Overtemperature protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.4		2025-06-10
		22	Load drop protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.5		2025-06-10
		23	Check the counter-current function	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.6		2025-06-10
		24	Adhesion protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.7		2025-06-10
		25	Gate protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.8		2025-06-10
		26	Insulation protection test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.9		2025-06-10
		27	Module switching test of DC power supply equipment with multiple vehicle plugs	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.4.10		2025-06-10
		28	Allow surface temperature test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.5.1		2025-06-10
		29	Fire resistance test of insulated parts	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.5.2.2		2025-06-10
		30	Aging test of insulated parts	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.5.2.3		2025-06-10



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		31	Moving parts test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.6.1		2025-06-10
		32	Mechanical strength test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.6.2		2025-06-10
		33	Identification and indication test	《Safety requirements of electric vehicle conductive supply equipment》 GB 39752-2024 7.8		2025-06-10
12	Electric vehicle conductive charging system		Part of parameters	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024		2025-06-10
		1	Protection level of charging interface	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.4.1		2025-06-10
		2	Ac charging interface temperature protection function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.4.2.1		2025-06-10
		3	Control guidance circuit	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.1.1		2025-06-10
		4	Device power supply capability declaration function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.1.3		2025-06-10
		5	Interface locking function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.1.4		2025-06-10
		6	Contact adhesion detection function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.1.5		2025-06-10
		7	Short-circuit protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.1.6		2025-06-10
		8	CC loop exception protection on the device	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.2.1		2025-06-10



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		№	Item/ Parameter			
		9	Device side CP loop exception protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.2.3		2025-06-10
		10	Power supply network outage protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.2.5		2025-06-10
		11	Output overcurrent protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.5.2.6		2025-06-10
		12	Dc vehicle interface temperature protection function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.4.2.2		2025-06-10
		13	Control guidance circuit check	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.1		2025-06-10
		14	Short-circuit protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.2		2025-06-10
		15	Capacitive coupling	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.3		2025-06-10
		16	Bleeder circuit	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.4		2025-06-10
		17	Insulation monitoring function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.5		2025-06-10
		18	Interface locking function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.6		2025-06-10
		19	High voltage DC contactor contactAdhesion detection function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.7		2025-06-10
		20	Enable current limiting function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.8		2025-06-10



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		№	Item/ Parameter			
		21	Thermal management system fault protection function	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.1.9		2025-06-10
		22	Communication timeout protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.2.1		2025-06-10
		23	Abnormal CC1 circuit protection on the device side	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.2.4		2025-06-10
		24	Dc power supply circuit exception protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.2.5		2025-06-10
		25	Abnormal protection of vehicle power supply circuit	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.2.6		2025-06-10
		26	Output overvoltage protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.2.7		2025-06-10
		27	Output overcurrent protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.2.8		2025-06-10
		28	Load drop protection	《Safety requirements of electric vehicle conductive charging system》 GB 44263-2024 9.6.2.9		2025-06-10
13	Electric vehicle conductive charging system		Part of parameters	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023	Except for Appendix C uses the DC charge control guidance circuit and control	2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					principle of the charging connection device specified in GB/T 20234.4,Appendix D Adaptive voltage switching of vehicle power supply loop,Appendix E adopts the V2G DC charge-discharge technical scheme of the charging connection device specified in GB/T 20234.4,Appendix F	

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		№	Item/ Parameter			
					DC charging technology for multiple vehicle interfaces, Appendix G adopts the DC charging compatibility technical scheme for vehicle adapters specified in GB/T 20234.4, Appendix H DC charging compatibility technology for CHAdeMO 2.x and below charging systems and CCS	

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		№	Item/ Parameter			
					charging systems, Appendix J adopts the pulse heating control principle of the charging connection device specified in GB/T 20234.4	
		1	Electric vehicle charging mode usage conditions	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 5.1		2025-06-10
		2	Features provided by Mode 2, Mode 3 and Mode 4	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 5.2		2025-06-10
		3	communication	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 6		2025-06-10
		4	General requirement	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.1		2025-06-10
		5	Basic protection	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.2		2025-06-10
		6	fail-safe	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.3		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Protective grounding conductor	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.4		2025-06-10
		8	Supplementary measure	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.5		2025-06-10
		9	Direct contact protection	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.6		2025-06-10
		10	Stored energy	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.7		2025-06-10
		11	Safety requirements for signal circuits between electric vehicle power supply equipment and electric vehicles	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.8		2025-06-10
		12	Contactor adhesion	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 7.9		2025-06-10
		13	The connection between electric vehicles and electric vehicle power transmission	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 8		2025-06-10
		14	Vehicle adapter	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 9		2025-06-10
		15	Special requirements for vehicle interfaces, power supply interfaces - General	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 10.1		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			requirements			
		16	Cable extension assembly	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 10.2		2025-06-10
		17	Breaking capacity	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 10.3		2025-06-10
		18	Class of protection	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 10.4		2025-06-10
		19	Insertion and extraction force	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 10.5		2025-06-10
		20	Locking device	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 10.6		2025-06-10
		21	Impulse current	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 10.7		2025-06-10
		22	Structural requirements for electric vehicle power transmission equipment - General	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 11.1		2025-06-10
		23	Characteristics of mechanical switchgear	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 11.2		2025-06-10
		24	Residual current protector	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 11.3		2025-06-10
		25	Electrical clearance and creepage distance	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 11.4		2025-06-10
		26	IP protection level	《Electric vehicle conductive charging system-Part 1: General		2025-06-10



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		№	Item/ Parameter			
				requirements》 GB/T 18487.1-2023 11.5		
		27	Cable management and storage methods	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 11.6		2025-06-10
		28	Surge Protector (SPD)	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 11.7		2025-06-10
		29	Contact current	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 12.1		2025-06-10
		30	Insulation resistance	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 12.2		2025-06-10
		31	Dielectric strength	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 12.3		2025-06-10
		32	Impulse withstand voltage	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 12.4		2025-06-10
		33	Temperature requirement	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 12.5		2025-06-10
		34	Lightning protection	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 12.6		2025-06-10
		35	Overload protection and short circuit protection	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 13		2025-06-10
		36	scram	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 14		2025-06-10
		37	Conditions of use	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 15		2025-06-10
		38	repair	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 16		2025-06-10



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		№	Item/ Parameter			
		39	Identification and description	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 17		2025-06-10
		40	Appendix A AC charge control guidance circuit and control principle	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 附录 A		2025-06-10
		41	Appendix B adopts the DC charge control guidance circuit and control principle of the charging connection device specified in GB/T 20234.3	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 附录 B		2025-06-10
		42	Appendix I Locking device for charging connection device	《Electric vehicle conductive charging system-Part 1: General requirements》 GB/T 18487.1-2023 附录 I		2025-06-10
14	Off-board conductive charger		Part of parameters	《Digital communication protocols between off-board conductive charger and electric vehicle》 GB/T 27930-2023		2025-06-10
		1	Class A system physical layer	《Digital communication protocols between off-board conductive charger and electric vehicle》 GB/T 27930-2023 6		2025-06-10
		2	Class A system data link layer	《Digital communication protocols between off-board conductive charger and electric vehicle》 GB/T 27930-2023 7		2025-06-10
		3	Class A system application layer	《Digital communication protocols between off-board conductive charger and electric vehicle》 GB/T 27930-2023 8		2025-06-10
		4	Class A system charging overall process	《Digital communication protocols between off-board conductive charger and electric vehicle》 GB/T 27930-2023 9		2025-06-10



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		5	Class A system packet classification	《Digital communication protocols between off-board conductive charger and electric vehicle》 GB/T 27930-2023 10		2025-06-10
		6	Type A system packet format and content	《Digital communication protocols between off-board conductive charger and electric vehicle》 GB/T 27930-2023 11		2025-06-10
15	Electric vehicle conductive charging system		All parameters	《Interoperability test specifications of electric vehicle conductive charging-Part 1:Supply equipment》 GB/T 34657.1-2017		2025-06-10
		1	Check charging mode and connection mode	《Interoperability test specifications of electric vehicle conductive charging-Part 1:Supply equipment》 GB/T 34657.1-2017 6.1		2025-06-10
		2	Plug space size check	《Interoperability test specifications of electric vehicle conductive charging-Part 1:Supply equipment》 GB/T 34657.1-2017 6.2.2		2025-06-10
		3	Recheck of socket space dimensions	《Interoperability test specifications of electric vehicle conductive charging-Part 1:Supply equipment》 GB/T 34657.1-2017 6.2.3		2025-06-10
		4	Dc charging interoperability testing	《Interoperability test specifications of electric vehicle conductive charging-Part 1:Supply equipment》 GB/T 34657.1-2017 6.3		2025-06-10
		5	Ac charging interoperability testing	《Interoperability test specifications of electric vehicle conductive charging-Part 1:Supply equipment》 GB/T 34657.1-2017 6.4		2025-06-10
16	Off-board conductive charger	1	Conformance test requirement	《Conformance test for communication protocols between off-board conductive charger and battery management system for electric vehicle》 GB/T 34658-2017 6		2025-06-10
(4)、Photovoltaic raw and auxiliary material						
1	silicon material	1	Resistivity	《Test method for measuring resistivity of monocrystal silicon-In-line four-point probe and direct current two-point method》 GB/T 1551-2021		2024-06-21



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		2	Thickness	《Test method for thickness and total thickness variation of silicon slices》 GB/T 6618-2009		2024-06-21
		3	total thickness variation	《Test method for thickness and total thickness variation of silicon slices》 GB/T 6618-2009		2024-06-21
		4	Carrier recombination lifetime	《Test method for carrier recombination lifetime in silicon wafers and silicon ingots—Non-contact measurement of photoconductivity decay by microwave reflectance method》 GB/T 26068-2018		2024-06-21
		5	Carbon content	《Test method for substitutional atomic carbon content of silicon by infrared absorption》 GB/T 1558-2009		2024-06-21
		6	total carbon content	《Determination of total carbon content in silicon powder-Infrared absorption method after combustion in an induction furnace》 Q/CPVT002-2014		2024-06-21
		7	Oxygen content	《Determination of oxygen content in silicon powder-The pulse heating inert gas fusion infrared absorption method》 Q/CPVT 001-2014		2024-06-21
2	Film for electrical insulation	1	Thickness、 width	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021	width only for single-layer method	2024-06-21
		2	Surface roughness	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021		2024-06-21
		3	Tensile strength	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021		2024-06-21
		4	Breaking elongation	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021		2024-06-21
		5	Shrinkage rate	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021		2024-06-21



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		6	Wetting tension	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021		2024-06-21
		7	surface resistivity	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021		2024-06-21
		8	volume resistivity	《Film for electrical insulation—Part 2:Methods of test》 GB/T 13542.2-2021		2024-06-21
3	Glass in building	1	Acid resistance test	《Glass in building-Coated glass Part 2:Requirements and test methods for class A,B and S coating》 BS EN 1096-2-2012 Annex C		2024-06-21
		2	Neutral salt spray test	《Glass in building-Coated glass-Part 2:Requirements and test methods for class A, B and S coating》 BS EN 1096-2-2012 Annex D		2024-06-21
		3	Abrasion resistance test	《Glass in building-Coated glass-Part 2:Requirements and test methods for class A, B and S coating》 BS EN 1096-2-2012 Annex E		2024-06-21
		4	Light transmittance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.3		2024-06-21
		5	Light reflectance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.4		2024-06-21
		6	Division of incident solar radiation flux	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.5.2		2024-06-21
		7	Solar direct transmittance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003		2024-06-21



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		№	Item/ Parameter			
				3.5.3		
		8	Solar direct reflectance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.5.4		2024-06-21
		9	Solar direct absorptance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.5.5		2024-06-21
		10	Secondary heat transfer factor towards the inside	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.5.6		2024-06-21
		11	Total solar energy transmission	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.5.7		2024-06-21
		12	Additional heat transfer	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.5.8		2024-06-21
		13	UV-transmittance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.6		2024-06-21
		14	CIE damage factor	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.7		2024-06-21



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		№	Item/ Parameter			
		15	Skin damage factor	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.8		2024-06-21
		16	Colour rendering	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 3.9		2024-06-21
		17	U values	《Glass in building-Calculation of steady-state U values (thermal trasmittance) of multiple glazing 》 ISO 10292:1994		2024-06-21
4	photovoltaic glass	1	Haze	《Test method for optical properties of photovoltaic glass》 GB/T 30983-2014 5.1		2024-06-21
		2	Transmittance	《Test method for optical properties of photovoltaic glass》 GB/T 30983-2014 5.2		2024-06-21
		3	Reflectance	《Test method for optical properties of photovoltaic glass》 GB/T 30983-2014 5.3		2024-06-21
5	Insulating glass unit	1	U value	《Calculation and determination of steady-state U values(thermal transmittance) of multiple glazing》 GB/T 22476-2008 5	Accredited only for U value determinati on under the steady state	2024-06-21
6	safety glazing materials used on road vehicles	1	Light transmittance	《Test methods of safety glazing materials used on road vehicles Part2:optical properties tests》 GB/T 5137.2-2002 4	The standard is invalid. Application for retention	2024-06-21
		2	Radiation resistance test	《Test methods of safety glazing materials used on road vehicles Part3:radiation,high temperature,humidity,fire and sumulated	The standard is	2024-06-21



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				weathering resistance test》 GB/T 5137.3-2002 5	invalid. Application for retention	
		3	Wet resistance test	《Test methods of safety glazing materials used on road vehicles Part3: radiation, high temperature, humidity, fire and simulated weathering resistance test》 GB/T 5137.3-2002 7	The standard is invalid. Application for retention	2024-06-21
7	Sealed insulating glass unit with shading inside	1	Moisture content of desiccant test	《Sealed insulating glass unit with shading inside》 JG/T 255-2009 Annex B	The standard is invalid. Application for retention	2024-06-21
8	Metallic materials	1	Metallic coatings thickness	《Metallic coatings-Measurement of coating thickness-X-ray spectrometric methods》 GB/T 16921-2005		2024-06-21
9	glass	1	Iron Content	《Determination of Iron Content in Photovoltaic Glass-Energy Dispersion X-ray Fluorescence Spectrometry method》 Q/CPVT 004-2014		2024-06-21
		2	SiO ₂	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 7,8		2024-06-21
		3	Al ₂ O ₃	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 9,18		2024-06-21
		4	TiO ₂	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 10,18		2024-06-21
		5	Fe ₂ O ₃	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 11,16,18		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	CaO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 12,16,18		2024-06-21
		7	MgO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 13,16,18		2024-06-21
		8	SO ₃	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 14		2024-06-21
		9	P ₂ O ₅	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 15,18		2024-06-21
		10	K ₂ O	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 16,17,18		2024-06-21
		11	Na ₂ O	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 16,17,18		2024-06-21
		12	CuO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 19,20		2024-06-21
		13	ZnO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 19,20		2024-06-21
		14	Co ₂ O ₃	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 19,20		2024-06-21
		15	NiO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 19,20		2024-06-21
		16	Cr ₂ O ₃	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 19,20		2024-06-21
		17	CdO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 19,20		2024-06-21
		18	MnO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 19,20		2024-06-21
		19	contact angle	《Test method for hydrophobic contamination on glass by contact angle measurement》 GB/T 24368-2009		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		20	Surface stress	《Test method for measurement of stress in glass》 GB/T 18144-2008 4.1	Accredited only for surface stress	2024-06-21
10	Non-Metallic Materials	1	Exposure	《Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials》 ASTM G155-05a		2024-06-21
				《Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials》 ASTM G155-13		2024-06-21
11	Paste	1	solids content	《Test methods of precious metals pastes used for microelectronics-Determination of solids content》 GB/T 17473.1-2008		2024-06-21
		2	fineness	《Test methods of precious metals pastes used for microelectronics-Determination of fineness》 GB/T 17473.2-2008		2024-06-21
		3	sheet resistance	《Test methods of precious metals pastes used for microelectronics-Determination of sheet resistance》 GB/T 17473.3-2008		2024-06-21
		4	viscosity	《Test methods of precious metals pastes used for microelectronics-Determination of viscosity》 GB/T 17473.5-2008		2024-06-21
12	silver paste for solar cell	1	silver content	《Determination of silver content in silver paste for solar cell-thiocyanate standard solution titration method》 Q/CPVT 003-2014		2024-06-21
13	Paste for solar cell	1	adhesion	《Paste for solar cells》 YS/T 612-2014 5.6		2024-06-21
		2	boiling test	《Paste for solar cells》 YS/T 612-2014 5.7		2024-06-21
		3	bending	《Paste for solar cells》 YS/T 612-2014 5.8		2024-06-21



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		№	Item/ Parameter			
14	Ethylene-Vinyl Acetate copolymer (EVA) film	1	crosslinking degree	《Determination of crosslinking degree for Ethylene-Vinyl Acetate copolymer (EVA) film-Xylene extraction method》 Q/CPVT 007-2014		2024-06-21
15	Ethylene-vinyl acetate copolymer(EVA)film for encapsulant solar module	1	crosslinking degree	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA)Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013 item 5.5.2.1		2024-06-21
		2	shrinkage rate	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA)Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013 item 5.5.7		2024-06-21
		3	mass per unit area	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA)Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013 item 5.3.1		2024-06-21
16	Polyolefin film for photovoltaic module	1	Thickness	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.3.1		2024-06-21
		2	Surface density deviation	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.3.2		2024-06-21
		3	appearance	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.4		2024-06-21
		4	Luminous transmittance	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.1		2024-06-21
		5	crosslinking degree	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.2		2024-06-21
		6	Peel strength of PO/glass	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.3		2024-06-21
		7	Hot-shrinkage rate	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.4		2024-06-21
		8	volume resistivity	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017		2024-06-21



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		№	Item/ Parameter			
				5.5.5		
		9	Electrical strength	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.6		2024-06-21
		10	comparative tracking index	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.7		2024-06-21
		11	Water vapour transmission rate	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.8		2024-06-21
		12	UV Test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.9		2024-06-21
		13	Damp-heat test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.10		2024-06-21
		14	Heat resistance test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.11		2024-06-21
		15	PCT accelerated aging test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.12		2024-06-21
17	Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module	1	Thickness	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.3.1		2024-06-21
		2	Surface density deviation	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.3.2		2024-06-21
		3	appearance	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.4		2024-06-21
		4	Luminous transmittance	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.1		2024-06-21
		5	Light reflectance	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.2		2024-06-21
		6	crosslinking degree	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Tensile strength and Breaking elongation	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.4		2024-06-21
		8	Peel strength of EVA/glass	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.5		2024-06-21
		9	Hot-shrinkage rate	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.6		2024-06-21
		10	volume resistivity	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.7		2024-06-21
		11	Electrical strength	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.8		2024-06-21
		12	comparative tracking index	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.9		2024-06-21
		13	UV Test	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.10		2024-06-21
		14	Damp-heat test	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.11		2024-06-21
		15	Heat resistance test	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.12		2024-06-21
		16	UV and DH	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.13		2024-06-21
		17	PCT accelerated aging test	《Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.14		2024-06-21
18	Backsheet for Photovoltaic(PV) Module	1	Tensile strength	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.3		2024-06-21
		2	Breaking elongation	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.3		2024-06-21



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		№	Item/ Parameter			
		3	Peel strength	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.4		2024-06-21
		4	Peel strength of backsheet/silica gel	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.6		2024-06-21
		5	Peel strength of backsheet/EVA	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.7		2024-06-21
		6	Peel strength of backsheet/tape	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.8		2024-06-21
		7	Hot-shrinkage rate	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.9		2024-06-21
		8	Boiling water test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.14		2024-06-21
		9	PCT test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.15		2024-06-21
		10	Reflectance	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.16		2024-06-21
		11	Ductility of surface opening crack	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.17		2024-06-21
		12	Salt spray test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.18.1		2024-06-21
		13	Moist SO ₂ spray test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.18.2		2024-06-21
19	Insulating back sheet for terrestrial photovoltaic(P	1	Acid resistance test	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014 item 6.15		2024-06-21
		2	Alkali resistance test	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014 item 6.16		2024-06-21



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	V) modules	3	Boiling water test	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014 item 6.18		2024-06-21
20	Sealant material in terrestrial photovoltaic (PV) modules	1	pot life	《Sealant material in terrestrial photovoltaic (PV) modules-Silicone sealant》 GB/T 29595-2013 5.5		2024-06-21
		2	curing speed	《Sealant material in terrestrial photovoltaic (PV) modules-Silicone sealant》 GB/T 29595-2013 5.8		2024-06-21
		3	junction box tension	《Sealant material in terrestrial photovoltaic (PV) modules-Silicone sealant》 GB/T 29595-2013 annex A		2024-06-21
		4	qualitative adhesion	《Sealant material in terrestrial photovoltaic (PV) modules-Silicone sealant》 GB/T 29595-2013 annex B		2024-06-21
21	Patterned glass	1	Length deviation	《Patterned glass》 JC/T 511-2002 6.1		2024-06-21
		2	Width deviation	《Patterned glass》 JC/T 511-2002 6.1		2024-06-21
		3	Diagonal deviation	《Patterned glass》 JC/T 511-2002 6.2		2024-06-21
		4	Thickness deviation	《Patterned glass》 JC/T 511-2002 6.3		2024-06-21
		5	Appearance	《Patterned glass》 JC/T 511-2002 6.4		2024-06-21
		6	Bending	《Patterned glass》 JC/T 511-2002 6.4.3		2024-06-21
22	Laminated glass	1	Appearance	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.2		2024-06-21
		2	Length deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.3		2024-06-21
		3	Width deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.3		2024-06-21



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		4	Overlapping deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.3		2024-06-21
		5	Thickness deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.3		2024-06-21
		6	Diagonal deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.3		2024-06-21
		7	Heat resistance test	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.8		2024-06-21
		8	Impact shot bag test	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 7.12		2024-06-21
23	Solar control coated glass	1	Appearance	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 6.3		2024-06-21
		2	Abrasion resistance test	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 6.6		2024-06-21
		3	Acid resistance test	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 6.7		2024-06-21
		4	Base resistance test	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 6.8		2024-06-21
24	low emissivity coated glass	1	Abrasion resistance test	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013 6.7		2024-06-21
		2	Acid resistance test	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013 6.8		2024-06-21
		3	Base resistance test	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013 6.9		2024-06-21
25	Sealed insulating solar PV glass unit in building	1	Appearance	《Laminated solar PV glazing materials in building》 GB/T 29759-2013 7.2		2024-06-21
		2	Length deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 7.3.1		2024-06-21



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		3	Width deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 7.3.1		2024-06-21
		4	Diagonal deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 7.3.1		2024-06-21
		5	Thickness deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 7.3.2		2024-06-21
		6	Accelerated durability test	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 7.7		2024-06-21
26	Insulating glass unit	1	Length deviation	《Insulating glass unit》 GB/T 11944-2012 7.1.1		2024-06-21
		2	Width deviation	《Insulating glass unit》 GB/T 11944-2012 7.1.1		2024-06-21
		3	Thickness deviation	《Insulating glass unit》 GB/T 11944-2012 7.1.2		2024-06-21
		4	Diagonal deviation	《Insulating glass unit》 GB/T 11944-2012 7.1.1		2024-06-21
		5	Overlapping deviation	《Insulating glass unit》 GB/T 11944-2012 7.1.3		2024-06-21
		6	Layer width	《Insulating glass unit》 GB/T 11944-2012 7.1.4		2024-06-21
		7	Appearance	《Insulating glass unit》 GB/T 11944-2012 7.2		2024-06-21
		8	Ultraviolet irradiation test	《Insulating glass unit》 GB/T 11944-2012 7.4		2024-06-21
		9	Durability of water seal test	《Insulating glass unit》 GB/T 11944-2012 7.5		2024-06-21
27	Casting tin-lead solders	1	Ingot weight	《Casting tin-lead solders》 GB/T 8012-2013 4.4		2024-06-21
28	Plastic	1	the effects of immersion in liquid	《Plastic-Methods of test for the determination of the effects of immersion in liquid chemicals》 GB/T 11547-2008	Accredited only for	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			chemicals		change in mechanical properties	
		2	environmental stress crack	《Plastics - Test method for environmental stress-cracking of polyethylene 》 GB/T 1842-2008		2024-06-21
		3	Puncture strength	《Plastic laminated films and pouches for packaging-Dry lamination and extrusion lamination》 GB/T 10004-2008 6.6.13		2024-06-21
29	Plastics	1	Oxygen transmission rate	《Packing material- Test Method for Oxygen Gas Permeability Characteristics of Plastic Film and Sheeting-Coulometric Sensor》 GB/T 19789-2021		2024-06-21
		2	Gas transmission rate	《Plastics — Film and sheeting — Determination of gas-transmission rate-Part 2:Equal-pressure method》 ISO 15105-2:2003	Except for Annex B	2024-06-21
30	materials used in photovoltaic modules	1	Thickness	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.2.2		2024-06-21
		2	Area weight	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.2.3		2024-06-21
		3	Tensile strength/elongation at frontsheet	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.2.4		2024-06-21
		4	Curling	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.2.5		2024-06-21
		5	Adhesion between layers of composition	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.3.6.2		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Adhesion between sheet and encapsulant	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.3.6.2		2024-06-21
		7	Adhesion between sheet and edge sealant	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.3.6.3		2024-06-21
		8	Adhesion between backsheet and junction box adhesive	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.3.6.4		2024-06-21
		9	Dimensional stability	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.4.2		2024-06-21
		10	Breakdown voltage	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.5.1		2024-06-21
		11	Distance through insulation (DTI)	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.5.2		2024-06-21
		12	Comparative Tracking Index (CTI)	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.5.3		2024-06-21
		13	Volume resistivity	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.5.4		2024-06-21
		14	Optical transmittance	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.6.4		2024-06-21



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		№	Item/ Parameter			
		15	Optical reflectance	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.6.5		2024-06-21
		16	Yellow index	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.6.6		2024-06-21
		17	Colour measurement	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.6.7		2024-06-21
		18	Permeability of water vapour	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.7.1		2024-06-21
		19	Permeability of oxygen	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.7.2		2024-06-21
		20	Resistance to solvents	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.8.1		2024-06-21
		21	ignitability	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.9.1		2024-06-21
		22	flammability	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.9.2		2024-06-21
		23	Damp Heat (DH) testing at elevated heat and moisture	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.10.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		24	Weathering at elevated levels of temperature and moisture	《Measurement procedures for materials used in photovoltaic modules - Part 3: Polymeric materials - Frontsheets and backsheets》 IEC TS 62788-2:2017 4.10.3		2024-06-21
		25	Accelerated weathering tests	《Measurement procedures for materials used in photovoltaic modules - Part 7-2: Environmental exposures - Accelerated weathering tests of polymeric materials》 IEC TS 62788-7-2:2017	Accredited only for Mathod A	2024-06-21
31	raw and auxiliary materials	1	PCT accelerated aging test	《Method for PCT accelerated aging test》 Q/CPVT 005-2014		2024-06-21
		2	Film Hardness	《Standard Test Method for Film Hardness by Pencil Test》 ASTM D 3363-05(2011)e2		2024-06-21
		3	Adhesion	《Standard Test Methods for Measuring Adhesion by Tape Test》 ASTM D 3359-09e2		2024-06-21
		4	Scrub Resistance test	《Standard Test Methods for Scrub Resistance of Wall Paints》 ASTM D2486-06(2012)e1		2024-06-21
		5	Sand and dust test	《Laboratory environmental test methods for military materiel-Part 12:Sand and dust test》 GJB 150.12A-2009		2024-06-21
		6	Self-cleaning	《Test method of photocatalytic materials for self-cleaning》 GB/T 23764-2009		2024-06-21
		7	180°peel strength	《Adhesives,180°peel strength test method for a flexible-bonded-to-rigid test specimen assembly》 GB/T 2790-1995		2024-06-21
		8	Quality analysis for organic by Infrared	《General rules for infrared analysis》 GB/T 6040-2019	Accredited only for qualitative analysis of solid and liquid samples	2024-06-21



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		№	Item/ Parameter			
		9	abrasion resistance	《Determination for abrasion resistance of coatings by falling abrasive》 GB/T 23988-2009		2024-06-21
		10	Solvent resistance test	《Determination for the solvent resistance of coating by solvent rubs》 GB/T 23989-2009		2024-06-21
		11	Spectral reflectance of reflecting samples	《Methods for the measurement of object color》 GB/T 3979-2008 5.1.3.1		2024-06-21
		12	Spectral transmittance of transmission samples	《Methods for the measurement of object color》 GB/T 3979-2008 5.1.3.2		2024-06-21
		13	Tristimulus values and chromaticity coordinate	《Methods for the measurement of object color》 GB/T 3979-2008 5.1.4		2024-06-21
		14	Basic coordinate	《Uniform color space and color difference formula》 GB/T 7921-2008 5.1,5.2		2024-06-21
		15	Lightness	《Uniform color space and color difference formula》 GB/T 7921-2008 5.1.2,5.2.2		2024-06-21
		16	saturation	《Uniform color space and color difference formula》 GB/T 7921-2008 5.1.2,5.2.2		2024-06-21
		17	chromaticity	《Uniform color space and color difference formula》 GB/T 7921-2008 5.1.2,5.2.2		2024-06-21
		18	Color difference	《Uniform color space and color difference formula》 GB/T 7921-2008 5.1.3,5.2.3		2024-06-21
		19	Saturability	《Uniform color space and color difference formula》 GB/T 7921-2008 5.2.2		2024-06-21
		20	Scrub resistance	《Determination of scrub resistance of film of architectural paints and coatings》 GB/T 9266-2009		2024-06-21



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		№	Item/ Parameter			
32	Paste for solar cells		All parameter	《Paste for solar cell》 YS/T 612-2014		2024-06-21
33	Multicrystalline silicon wafers for photovoltaic solar cell		Part parameter	《Multicrystalline silicon wafers for photovoltaic solar cell》 GB/T 29055-2019	Accredited only for thickness and total thickness variation, in interstitial oxygen concentration, substitutional atomic carbon concentration, carrier recombination lifetime	2024-06-21
34	Glass for photovoltaic modules		All parameter	《Solar glass-Part 1: Ultra-clear patterned glass》 GB/T 30984.1-2015		2024-06-21
35	Tempered glass		All parameter	《Safety glazing materials in building—Part 2: Tempered glass》 GB 15763.2-2005		2024-06-21
36	Coated Glass for Solar Cells		All parameter	《Durability requirements of coating on glass for solar cell》 DB32/T 2175-2012		2024-06-21
37	Anti-reflective coated glass for photovoltaic		All parameter	《Anti-reflective coated glass for photovoltaic modules》 JC/T 2170-2013 (2017)		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	modules					
38	Glass for solar cell module		All parameter	《Glass for solar cell module》 JC/T 2001-2009		2024-06-21
39	Insulating back sheet for terrestrial photovoltaic(PV) modules		All parameter	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014		2024-06-21
40	Backsheet for Photovoltaic(PV) Module		All parameter	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013		2024-06-21
41	Tin-coated copper ribbon for photovoltaic application		All parameter	《Tin-coated copper ribbon for photovoltaic application》 GB/T 31985-2015		2024-06-21
42	Tinned Ribbon for Solar Cell		All parameter	《Tinned Ribbon for Solar Cell》 DB32/T 2176-2012		2024-06-21
43	Ethylene-vinyl Acetate Copolymer(EVA) Film for Encapsulant Photovoltaic(PV) Module		All parameter	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA) Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013		2024-06-21
44	silicon material	1	interstitial oxygen content	《Test method for determining interstitial oxygen content in silicon by infrared absorption》 GB/T 1557-2018	Except for low temperature	2024-06-21
45	Sheet materials	1	Solar Energy	《Standard Test Methods for Solar Energy Transmittance and	Accredited	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			Transmittance	Reflectance(Terrestrial) of Sheet Materials》ASTM E424-1971(2015) 6.4.1	only for method A	
		2	Solar Energy Reflectance	《Standard Test Methods for Solar Energy Transmittance and Reflectance(Terrestrial) of Sheet Materials》ASTM E424-1971(2015) 6.4.2	Accredited only for method A	2024-06-21
46	Double-sided fluorofilm insulating backsheet for crystalline silicon photovoltaic(PV) modules		Part parameter	《Double-sided fluorofilm insulating backsheet for crystalline silicon photovoltaic(PV) modules》T/ZZB 0869-2018	Except for Flame spread index	2024-06-21
47	Ethylene—vinyl acetate copolymer (EVA) film for photovoltaic module		All parameter	《Ethylene—vinyl acetate copolymer (EVA) film for PV module》GB/T 29848-2018		2024-06-21
48	raw and auxiliary materials	1	Partial discharge	《High-voltage test techniques-Partial discharge measurements》GB/T 7354-2018		2024-06-21
49	Adhesives	1	tensile lap-shear strength	《Adhesives-Determination of tensile lap-shear strength of rigid-to-rigid bonded assemblies》GB/T 7124-2008		2024-06-21
50	Textiles	1	Anti-ultraviolet protection	《Textiles -Evaluation for solar ultraviolet radiation protective properties》GB/T 18830-2009		2024-06-21
51	water	1	evaporation residue	《Safety evaluation standard of water transmission and protective material for drinking water》GB/T 17219-1998 appendix		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				A2.15		
		2	consumption of potassium permanganate	《Safety evaluation standard of water transmission and protective material for drinking water》 GB/T 17219-1998 appendix A2.16		2024-06-21
		3	volatilized phenol	《Standard examination method for drinking water》 GB/T 5750-1985 15	Only for GB/T 17219-1998	2024-06-21
52	Supporting bracker for photovoltaic (PV) application	1	anti-freezeing test	《Standard for test method of long-term performance and durability of ordinary concrete》 GB/T 50082-2009 4.2		2024-06-21
53	glass fiber reinforced plastics	1	resistivity against water	《Test method for aging properties of glass fiber reinforced plastics》 GB/T 2573-2008 4.3		2024-06-21
54	Fiber-reinforced plastics composites	1	compressive strength	《Fiber-reinforced plastics composites-Determination of compressive properties》 GB/T 1448-2005		2024-06-21
55	Monocrystalline silicon wafers for solar cells		Part of Parameters	《Monocrystalline silicon wafers for solar cells》 GB/T 26071-2018	Accredited only for boundary dimension(expect for curvature, warping degree, diameter), spec	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					ific resistance,c arrier recombination lifetime,sur face quality(exp ect for stria)	
56	Backsheet used for photovoltaic(PV) modules		All Parameters	《backsheet used for photovoltaic (PV) modules》 SJ/T 11722-2018		2024-06-21
57	Backsheet for photovoltaic(PV)modules		All Parameters	《Backsheet for photovoltaic(PV)modules》 T/CPIA 0015-2019		2024-06-21
58	Insulating films of crystalline silicon photovoltaic(PV)modules		Part of Parameters	《Insulating films of crystalline silicon photovoltaic(PV)modules—Part 1:Polyethylene terephthalate films》 GB/T 36289.1-2018	Except for relative permittivity ,the surfaces gloss is performed in Dongting	2024-06-21
59	Insulating films of crystalline silicon photovoltaic(PV)modules—Part 2:Fluorine		All Parameters	《Insulating films of crystalline silicon photovoltaic(PV)modules—Part 2:Fluorine plastic films》 GB/T 36289.2-2018	Flame retardance is performed in Dongting	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	plastic films					
60	Supporting bracker for photovoltaic (PV) application		Part of Parameters	《Supporting bracker for photovoltaic (PV) application》 T/CPIA 0013-2019	Except for UV aging test. Glow-wire flammability test are performed in Dongting	2024-06-21
61	Pultruded fiber reinforced polymer composites structural profiles		Part of Parameters	《Pultruded fiber reinforced polymer composites structural profiles》 GB/T 31539-2015	Accredited only for resistivity against water, alkali resistance, freeze-thaw cycle durability	2024-06-21
62	High density polyethylene floating body used for photovoltaic(PV) power system on water		Part of Parameters	《High density polyethylene floating body used for photovoltaic(PV) power system on water》 T/CPIA 0016-2019	Except for wind resistance, Puncture strength, Coupling dynamic load fatigue. Oxidation induction	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					time, Glow-wire flammability test is performed in Dongting.	
63	Psate used for crystalline silicon photovoltaic(PV) cells		All Parameters	《Psate used for crystalline silicon photovoltaic(PV) cells-Part 1:Aluminum paste for back surface field Sintered aluminum paste》 T/CPIA 0030.1-2021		2024-06-21
64	Psate used for crystalline silicon photovoltaic(PV) cells		All Parameters	《Psate used for crystalline silicon photovoltaic(PV) cells Part 2: Rear-side silver paste Sintered silver paste》 T/CPIA 0030.2-2021		2024-06-21
65	Psate used for crystalline silicon photovoltaic(PV) cells		All Parameters	《Psate used for crystalline silicon photovoltaic(PV) cells Part 3: Front-side silver paste Sintered silver paste》 T/CPIA 0030.3-2021		2024-06-21
66	Glass for photovoltaic modules		All Parameters	《Glass for photovoltaic modules Part 1: Front plate anti-reflective coated glass》 T/CPIA 0028.1-2021		2024-06-21
67	Glass for photovoltaic modules		All Parameters	《Glass for photovoltaic modules—Part 2: Back plate augmented reflective coated glass for double-glass module》 T/CPIA 0028.2-2021		2024-06-21
68	Glass for photovoltaic		All Parameters	《Comprehensive safety technical specification of glass for Photovoltaic (PV) Modules》 CTS PCCC-GF008-2020		2024-06-21



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	modules					
69	Film for backsheet of photovoltaic (PV) modules		All Parameters	《Film for backsheet of photovoltaic (PV) modules-Part 2: Polyethylene terephthalate film》 T/CPIA 0029.2-2021	gloss test is performed in Dongting	2024-06-21
70	Transparent protective encapsulation film for bifacial cell modules		All Parameters	《Transparent protective encapsulation film for bifacial cell modules》 T/CPIA 0031-2021		2024-06-21
71	Aluminium-plastic composite panel for curtain wall		Part of Parameters	《Aluminium-plastic composite panel for curtain wall》 GB/T 17748-2016	Accredited only test acid resistance and alkali resistance	2024-06-21
72	Ultra-thin Glass Used for Photovoltaic Modules		All Parameters	《Ultra-thin Glass Used for Photovoltaic Modules》 SJ/T 11571-2016		2024-06-21
73	Heat strengthened glass		All Parameters	《Heat strengthened glass》 GB/T 17841-2008		2024-06-21
74	Light weight thermally strengthened glass		All Parameters	《Light weight thermally strengthened glass》 GB/T 34328-2017		2024-06-21
75	Aluminium alloys	1	Webster's hardness	《Aluminium alloys webster's hardness test method》 YS/T		2024-06-21

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				420-2000		
76	Aluminium and Aluminium alloys	1	Abrasion resistance	《Test methods for anodic oxidation coatings and organic polymer coatings of aluminium and aluminium alloys-Part 1:Measurement of abrasion resistance》 GB/T 12967.1-2020 5	Accredited only test shakeout method	2024-06-21
77	Optical coatings	1	Crosshatch test	《Optics and photonics — Optical coatings —Part 4:Specific test methods》 ISO 9211-4:2012		2024-06-21
				《Optics and photonics — Optical coatings —Part 4:Specific test methods》 GB/T 26332.4-2015		2024-06-21
		2	Solubility tests	《Optics and photonics — Optical coatings —Part 4:Specific test methods》 ISO 9211-4:2012		2024-06-21
				《Optics and photonics — Optical coatings —Part 4:Specific test methods》 GB/T 26332.4-2015		2024-06-21
78	Plastics	1	Wetting tension	《Plastics-Film and sheeting-Determination of wetting tension》 GB/T 14216-2008		2024-06-21
79	Architectural glass	1	Visibie light transmittance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.1		2024-06-21
		2	Visibie light reflectance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.2		2024-06-21
		3	Solar radiation flux	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.3		2024-06-21
		4	Solar direct gransmittance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.4		2024-06-21



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		5	Solar direct reflectance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.5		2024-06-21
		6	Solar direct absorptance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.6		2024-06-21
		7	Total solar energy transmittance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.7		2024-06-21
		8	Secondary heat transfer coefficient to indoor	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.8		2024-06-21
		9	Shading coefficent	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.9		2024-06-21
		10	Visible light to total energy transmittance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.10		2024-06-21
		11	Ultraviolet transmittance	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.11		2024-06-21
		12	Emissivity	《Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 GB/T 2680-2021 5.12		2024-06-21



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		№	Item/ Parameter			
80	Glass for photovoltaic modules	1	Surface stress	《Test method for stress of glass -Laser polarization scattered-light method》 T/ZBH 019-2021		2024-06-21
81	Flat glass		Part of Parameters	《Flat glass》 GB 11614-2022	Except for optical distortion in appearance quality and Rainbow	2024-06-21
82	Building glass	1	Tristimulus values	《Colorimetric methods for colour building materials》 GB/T 11942-2022 7.2		2024-06-21
		2	Chromaticity coordinates	《Colorimetric methods for colour building materials》 GB/T 11942-2022 8.1		2024-06-21
		3	Color space index	《Colorimetric methods for colour building materials》 GB/T 11942-2022 8.2		2024-06-21
		4	Chroma	《Colorimetric methods for colour building materials》 GB/T 11942-2022 8.3		2024-06-21
		5	Hue	《Colorimetric methods for colour building materials》 GB/T 11942-2022 8.3		2024-06-21
		6	Chromatic aberration	《Colorimetric methods for colour building materials》 GB/T 11942-2022 8.4		2024-06-21
83	Coated glass for photovoltaic modules in building		All parameter	《Coated glass for photovoltaic modules in building 》 GB/T 41314-2022		2024-06-21
84	Ethylene-vinyl acetate copolymer	1	Degree of crosslinking (DSC method)	《Ethylene-vinyl acetate copolymer (EVA) film for PV module》 GB/T 29848-2018 5.5.3.2		2024-06-21



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		№	Item/ Parameter			
	(EVA) film for PV module	2	Degree of crosslinking (DSC method)	《Certification Criteria of Ethylene-vinyl Acetate Copolymer (EVA) Film for Encapsulant Photovoltaic (PV) Module》 CNCA/CTS 0013-2013 5.5.2.2		2024-06-21
		3	Degree of crosslinking (DSC method)	《Ethylene-vinyl acetate copolymer (EVA) film for photovoltaic module》 T/CPIA 0004-2017 5.5.3.2		2024-06-21
85	silicon	1	minority carrier lifetime	《Test methods for minority carrier lifetime in bulk silicon and germanium-Photoconductivity decay method》 GB/T 1553-2023 5	Accredited only for DC phototconductivity decay - pulse light method	2024-06-21
		2	carbon content	《Silicon powder-Determination of total carbon content-Infrared absorption method after combustion in an induction furnace》 GB/T 32573-2016		2024-06-21
86	plastics	1	melting temperature	《Plastics—Differential scanning calorimetry(DSC)—Part 3:Determination of temperature and enthalpy of melting and crystallization》 GB/T 19466.3-2004		2024-06-21
		2	crystallization temperature	《Plastics—Differential scanning calorimetry(DSC)—Part 3:Determination of temperature and enthalpy of melting and crystallization》 GB/T 19466.3-2004		2024-06-21
		3	enthalpy	《Plastics—Differential scanning calorimetry(DSC)—Part 3:Determination of temperature and enthalpy of melting and crystallization》 GB/T 19466.3-2004		2024-06-21
87	plastics	1	oxidation induction time	《Plastics—Differential scanning calorimetry(DSC)—Part 6:Determination of oxidation induction time(isothermal OIT) and oxidation induction temperature(dynamic OIT) 》 GB/T		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				19466.6-2009		
		2	oxidation induction temperature	《Plastics—Differential scanning calorimetry(DSC)—Part 6:Determination of oxidation induction time(isothermal OIT) and oxidation induction temperature(dynamic OIT) 》 GB/T 19466.6-2009		2024-06-21
88	plastics	1	Differential scanning calorimetry(DSC)	《Plastics—Differential scanning calorimetry(DSC)—Part 1:General principles》 GB/T 19466.1-2004		2024-06-21
89	insulation materials	1	melting point	《Plastic films for electrical purposes—Part 2:Methods of test》 GB/T 13542.2-2021 25.1		2024-06-21
90	Metallic material	1	Resistivity	《The methods for electrical properties of electric wires and cables Part 2:Metallic material resistivity test》 GB/T 3048.2-2007		2024-06-21
		2	appearance	《Technical requirements and test methods for hot-dip galvanized coating of steel parts》 GB/T 13912-2020 6.1		2024-06-21
		3	Plating Thickness (magnetic method)	《Technical requirements and test methods for hot-dip galvanized coating of steel parts》 GB/T 13912-2020 6.2		2024-06-21
		4	Adhesion	《Technical requirements and test methods for hot-dip galvanized coating of steel parts》 GB/T 13912-2020 6.4		2024-06-21
91	PV module encapsulating materia	1	yellowness index YI	《Method for acceleratedaging test of PV module encapsulating material》 GB/T 41203-2021 6.2		2024-06-21
		2	peel strength	《Method for acceleratedaging test of PV module encapsulating material》 GB/T 41203-2021 6.2		2024-06-21
		3	Solar effective transmittance	《Method for acceleratedaging test of PV module encapsulating material》 GB/T 41203-2021 6.2		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	appearance	《Method for acceleratedaging test of PV module encapsulating material》 GB/T 41203-2021 6.2		2024-06-21
		5	Breaking elongation	《Method for acceleratedaging test of PV module encapsulating material》 GB/T 41203-2021 6.2		2024-06-21
		6	PCT test	《Method for acceleratedaging test of PV module encapsulating material》 GB/T 41203-2021 6.3		2024-06-21
		7	UV plus Damp-Heat test	《Method for acceleratedaging test of PV module encapsulating material》 GB/T 41203-2021 6.4		2024-06-21
92		1	Partial Discharge Test	《Insulation coordination for equipment within low-voltage supply systems—Part 1:Principles,requirements and tests》 GB/T 16935.1-2023 6.4.6		2024-06-21
93	Insulating materials	1	Proof tracking index	《Method for the determination of the proof and the compardtive tracking indices of solid insulating materials》 GB/T 4207-2022		2024-06-21
		2	Comparative tracking indices	《Method for the determination of the proof and the compardtive tracking indices of solid insulating materials》 GB/T 4207-2022		2024-06-21
94	water	1	turbidity	《Standard examination methods for drinking water-Part 4: Organoleptic and physical paramenters》 GB/T 5750.4-2023 5.2		2024-06-21
		2	stink and taste	《Standard examination methods for drinking water-Part 4: Organoleptic and physical paramenters》 GB/T 5750.4-2023 6.1		2024-06-21
		3	visible to naked eyes	《Standard examination methods for drinking water-Part 4: Organoleptic and physical paramenters》 GB/T 5750.4-2023 7		2024-06-21
		4	pH	《Standard examination methods for drinking water-Part 4: Organoleptic and physical paramenters》 GB/T 5750.4-2023 8.1		2024-06-21
		5	fluoride	《Standard examination methods for drinking water-Part 5:Inorganic nonmeral indices》 GB/T 5750.5-2023 6.2,6.3,6.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	nitrate (In terms of N)	《Standard examination methods for drinking water-Part 5:Inorganic nonmeral indices》 GB/T 5750.5-2023 8.1,8.2,8.3		2024-06-21
		7	Fe	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 5.1,5.2,5.3		2024-06-21
		8	Mn	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 6.1,6.2,6.3,6.4,6.5		2024-06-21
		9	Cu	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 7.2,7.3,7.4,7.5		2024-06-21
		10	Zn	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 8.1,8.2,8.3		2024-06-21
		11	Cd	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 12.2,12.3		2024-06-21
		12	Pb	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 14.3		2024-06-21
		13	As	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 9.1,9.2,9.3,9.4		2024-06-21
		14	Hg	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 11.1,11.3		2024-06-21
		15	Cr ⁶⁺	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 13.1		2024-06-21
		16	Ag	《Standard examination methods for drinking water-Part 6: Metal and metalloid indices》 GB/T 5750.6-2023 15.2,15.3		2024-06-21
		17	Formaldehyde	《Standard examination methods for drinking water-Part 10: Disinfection by-products indices》 GB/T 5750.10-2023 11		2024-06-21



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95	Glass for photovoltaic modules	1	total haze	《Method for measuring photovoltaic (PV) glass - Part 1: Measurement of total haze and spectral distribution of haze》 IEC 62805-1:2017		2024-06-21
		2	transmittance	《Method for measuring photovoltaic (PV) glass - Part 2: Measurement of transmittance and reflectance》 IEC 62805-2:2017		2024-06-21
		3	reflectance	《Method for measuring photovoltaic (PV) glass - Part2: Measurement of transmittance and reflectance》 IEC 62805-2:2017		2024-06-21
96	Laminated solar photovoltaic(PV) glass in building		Part of Parameters	《Laminated solar photovoltaic(PV) glass in building》 GB/T 29551-2023	except for Wind pressure resistance test and Shock resistandce test	2024-06-21
97	Paste	1	solderability	《Test methods of precious metals pastes used for microelectronics-Part7: Determination of solderability and solderelaching resistance》 GB/T 17473.7-2022 8.2		2024-06-21
		2	solderalaching resistance	《Test methods of precious metals pastes used for microelectronics--Part7: Determination of solderability and solderelaching resistance》 GB/T 17473.7-2022 8.3		2024-06-21
98	building sealants	1	viscosity	《Determination for viscosity of adhesives》 GB/T 2794-2022	Except for Method three:Rotati onal Rheometer Method	2024-06-21



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99	anodic oxidation coatings of aluminium and aluminium alloys	1	Salt spray test	《Test methods for anodic oxidation coatings and organic polymer coatings on aluminium and aluminium alloys.Part 3: salt spray test》GB/T 12967.3-2022		2024-06-21
100	Tin-coated copper ribbon for photovoltaic application		Part of Parameters	《Tin-coated copper ribbon for photovoltaic application》T/CPIA 0005-2022	Except for Chemical composition of lead-free tin based solder	2024-06-21
(5)、Pv power plant						
1	PV grid-connected inverter	1	"Protection of the connection impedance	《Technical specification of grid-connected PV inverter》NB/T 32004-2013 8.2.3.2		2024-06-21
		2	Touch current	《Technical specification of grid-connected PV inverter》NB/T 32004-2013 8.2.3.3		2024-06-21
		3	Impulse voltage test	《Technical specification of grid-connected PV inverter》NB/T 32004-2013 8.2.3.4.2		2024-06-21
		4	dielectric strength test	《Technical specification of grid-connected PV inverter》NB/T 32004-2013 8.2.3.4.3		2024-06-21
		5	Partial discharge test	《Technical specification of grid-connected PV inverter》NB/T 32004-2013 8.2.3.4.6		2024-06-21
		6	Clearances and creepage distances	《Technical specification of grid-connected PV inverter》NB/T 32004-2013 8.2.3.4.7		2024-06-21
		7	Stability Test	《Technical specification of grid-connected PV inverter》NB/T 32004-2013 8.2.4.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Handling Requirements	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.2		2024-06-21
		9	Terminal Requirements	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.3		2024-06-21
		10	Glow test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.5.1		2024-06-21
		11	Bending test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.3.3		2024-06-21
		12	Pull Test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.3.4		2024-06-21
		13	Glow wire ignition test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.5.2		2024-06-21
		14	Output rating	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.2.1		2024-06-21
		15	Switcher	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.3		2024-06-21
		16	Soft Start	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.4		2024-06-21
		17	Recovery and Network	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.5		2024-06-21
		18	Communication functional verification	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.6.2		2024-06-21
		19	Cooling System	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.7		2024-06-21
		20	Noise	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.9		2024-06-21
		21	Temperature Rise	《Technical specification of grid-connected PV inverter》 NB/T		2024-06-21



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		№	Item/ Parameter			
				32004-2013 8.4.2		
		22	Active power control test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.7.1		2024-06-21
		23	Voltage/reactive regulation test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.7.2		2024-06-21
		24	Test of photovoltaic square array insulation impedance	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.8.1		2024-06-21
		25	Pv grid residual current test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.8.2		2024-06-21
		26	The maximum conversion efficiency	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.2.2.1		2024-06-21
		27	conversion efficiency	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.2.2.3		2024-06-21
		28	Harmonics and waveform distortion	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.1		2024-06-21
		29	Power Factor	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.2		2024-06-21
		30	Phase unbalance	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.3		2024-06-21
		31	DC component	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.4		2024-06-21
		32	Over / under voltage protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.1		2024-06-21
		33	Over / under frequency protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.2		2024-06-21



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		34	polarity or phase sequence error protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.3		2024-06-21
		35	DC input overload	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.4		2024-06-21
		36	Short circuit protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.5		2024-06-21
		37	Anti-anti-discharge protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.6		2024-06-21
		38	Anti-islanding protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.7		2024-06-21
		39	Low voltage ride through	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.8		2024-06-21
		40	Operating Overvoltage	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.9		2024-06-21
		41	UV exposure	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.2.1		2024-06-21
2	inverter of photovoltaic power station	1	Static MPPT efficiency	《Testing code for inverter efficiency of photovoltaic power station》 NB/T 32032-2016 7.1		2024-06-21
		2	Dynamic MPPT efficiency	《Testing code for inverter efficiency of photovoltaic power station》 NB/T 32032-2016 7.2		2024-06-21
		3	Static Conversion efficiency	《Testing code for inverter efficiency of photovoltaic power station》 NB/T 32032-2016 7.3		2024-06-21
3	PV grid-connected inverter	1	low voltage ride through	《Testing code for low voltage ride through of photovoltaic power station 》 NB/T 32005-2013 7		2024-06-21
		2	Three-phase current imbalance	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.2		2024-06-21



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		3	Continuous operation	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.3.2		2024-06-21
		4	Stop operation	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.3.3		2024-06-21
		5	Current harmonics	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.4.2		2024-06-21
		6	Current Interharmonics	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.4.3		2024-06-21
		7	DC component	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.5		2024-06-21
		8	Adaptive voltage detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.1		2024-06-21
		9	Overvoltage detection Adaptability	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.2		2024-06-21
		10	Rate adaptive detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.3		2024-06-21
		11	Over / under frequency adaptive detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.4		2024-06-21
		12	Overvoltage detection Slow Trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.5		2024-06-21
		13	Rapid detection of overvoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.6		2024-06-21
		14	Slow detecting undervoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.7		2024-06-21
		15	Rapid detection of undervoltage trip	《Testing code of voltage and frequency response for inverter		2024-06-21



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				of photovoltaic power station》 NB/T 32009-2013 6.8		
		16	Too frequent trips detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.9		2024-06-21
		17	Under frequency trip detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.10		2024-06-21
		18	Reconnection detected after overvoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.1		2024-06-21
		19	Reconnection after detecting undervoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.2		2024-06-21
		20	Reconnection after tripping over frequency detector	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.3		2024-06-21
		21	Reconnection after detecting underfrequency trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.4		2024-06-21
		22	Anti-islanding detection	《The anti-islanding testing code for inverter of utility-interconnected photovoltaic power station 》 NB/T 32010-2013 7		2024-06-21
		23	Adaptive voltage detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.2		2024-06-21
		24	Overvoltage detection Adaptability	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.3		2024-06-21
		25	Rate adaptive detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.4		2024-06-21



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		26	Too frequent adaptive detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.5		2024-06-21
		27	Under frequency adaptive detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.6		2024-06-21
		28	Overvoltage detection Slow Trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.2		2024-06-21
		29	Rapid detection of overvoltage trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.3		2024-06-21
		30	Slow detecting undervoltage trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.4		2024-06-21
		31	Rapid detection of undervoltage trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.5		2024-06-21
		32	Too frequent trips detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.6		2024-06-21
		33	Under frequency trip detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.8		2024-06-21
		34	Anti-islanding detection	《Testing code for anti-islanding of photovoltaic power station》 NB/T 32014-2013 6.3		2024-06-21
		35	And net current harmonic	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.3		2024-06-21
		36	Power Factor	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.4		2024-06-21
		37	DC component	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.5		2024-06-21
		38	Noise Test	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.6		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		39	Over / under voltage protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.1		2024-06-21
		40	Over / under frequency protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.2		2024-06-21
		41	Anti-islanding (anti-islanding protection)	《Technical requirements for grid connection of PV system》 GB/T 19939-2005 7.6.1.3	revoked and retained, which can only be used when referenced.	2024-06-21
		42	Recovery and Network	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.4		2024-06-21
		43	Output short circuit protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.5		2024-06-21
		44	Low voltage ride through	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.6		2024-06-21
		45	Transient Voltage Protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.7		2024-06-21
		46	Anti-anti-discharge protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.2		2024-06-21
		47	Reverse polarity protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.3		2024-06-21
		48	Overload	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.4		2024-06-21
		49	DC overvoltage / undervoltage protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		50	communication	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.7		2024-06-21
		51	Switcher	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.8		2024-06-21
		52	start up	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.9		2024-06-21
		53	Insulation strength	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.10.2		2024-06-21
		54	Active power control	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.12.1		2024-06-21
		55	Reactive power regulation	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.12.2		2024-06-21
		56	Temperature Rise	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.14		2024-06-21
		57	Reactive Capacity	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 6.1		2024-06-21
		58	Voltage Regulator	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 6.2		2024-06-21
		59	Voltage adaptability	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 7.3		2024-06-21
		60	Rate adaptive	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 7.4		2024-06-21
		61	Three-phase voltage unbalance	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.3.1		2024-06-21
		62	Three-phase current unbalance	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.3.2		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		63	Current harmonics	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.5.1		2024-06-21
		64	Current Interharmonics	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.5.2		2024-06-21
		65	DC component	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.6		2024-06-21
		66	Low / high voltage protection	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 9.2		2024-06-21
		67	Frequency Protection	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 9.3		2024-06-21
		68	Recovery and Network	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 9.4		2024-06-21
		69	Anti-islanding protection	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 10.3		2024-06-21
4	PV grid-connected inverter	1	Static MPPT efficiency	《Technical specification for China efficiency of grid connected PV inverters》 CNCA/CTS 0002-2014 5		2024-06-21
		2	Dynamic MPPT efficiency	《Technical specification for China efficiency of grid connected PV inverters》 CNCA/CTS 0002-2014 6		2024-06-21
		3	Conversion efficiency	《Technical specification for China efficiency of grid connected PV inverters》 CNCA/CTS 0002-2014 7		2024-06-21
5	Inverter	1	Disconnection time	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.1		2024-06-21
		2	Over/Under Voltage	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.2		2024-06-21



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		№	Item/ Parameter			
		3	Over/Under Frequency	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.3		2024-06-21
		4	Loss of Mains Protection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.4		2024-06-21
		5	Re-connection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.5		2024-06-21
		6	Power Factor	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.2		2024-06-21
		7	DC injection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.4		2024-06-21
		8	Short-circuit current injection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.6		2024-06-21
		9	Self Monitoring - Solid State Disconnect	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.7		2024-06-21
		10	direct current monitoring	《Automatic disconnection device between a generator and the public low-voltage grid》 VDE V0126-1-1:2013-08 6.5		2024-06-21
		11	Voltage	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.2.3		2024-06-21
		12	frequency	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.2.4		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Loss of synchronism	《IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.2.5		2024-06-21
		14	Limitation of DC injection	《IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.3.1		2024-06-21
		15	harmonic	《IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.3.3		2024-06-21
		16	unintentional islanding	《IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.4.1		2024-06-21
		17	Temperature Stability	《IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547.1-2005 5.1		2024-06-21
6	Inverter	1	Maximum-Voltage Measurements	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 42		2024-06-21
		2	Temperature	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 43		2024-06-21
		3	Dielectric Voltage-Withstand Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 44		2024-06-21
		4	Output Power Characteristics	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45		2024-06-21
		5	Output ratings	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45.2		2024-06-21
		6	input range	《Inverters, Converters, Controllers and Interconnection System		2024-06-21



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				Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45.3		
		7	Harmonic distortion	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45.4		2024-06-21
		8	General	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.1		2024-06-21
		9	Output overload test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.2		2024-06-21
		10	Short-circuit test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.3		2024-06-21
		11	DC input miswiring test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.4		2024-06-21
		12	Ventilation test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.5		2024-06-21
		13	Component short-and open-circuit	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.6		2024-06-21
		14	load transfer test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.7		2024-06-21
		15	loss of Control Circuit	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL		2024-06-21



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				1741-2010 48		
		16	Overcurrent Protection Calibration Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 49		2024-06-21
		17	Strain Relief Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 50		2024-06-21
		18	Dielectric voltage-withstand test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 51.2		2024-06-21
		19	Shorted trace test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 51.3		2024-06-21
		20	Bonding Conductor Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 52		2024-06-21
		21	Voltage Surge Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 53		2024-06-21
		22	Calibration Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 54		2024-06-21
		23	Overvoltage Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 55		2024-06-21
		24	Current Withstand Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL		2024-06-21



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				1741-2010 56		
		25	Capacitor Voltage Determination test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 57		2024-06-21
		26	Stability	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 58		2024-06-21
		27	Static Load	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 59		2024-06-21
		28	Compression Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 60		2024-06-21
		29	Rain Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 61.2		2024-06-21
		30	Dielectric Voltage-Withstand Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 67		2024-06-21
		31	Utility Voltage and Frequency Vanriation Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 68		2024-06-21
		32	Input and output faults	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 76.2		2024-06-21
		33	Charge controller miswiring	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL		2024-06-21



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				1741-2010 76.3		
		34	Low-voltage disconnect	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 76.4		2024-06-21
		35	AC Module Inverter Securement Test	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 83		2024-06-21
7	Grid-connected PV inverter	1	Fault-tolerance of residual current monitoring	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.4.4.15.1		2024-06-21
		2	Fault-tolerance of automatic disconnecting means	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.4.4.15.2		2024-06-21
		3	Stand-alone inverters – Load transfer test	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.4.4.16		2024-06-21
		4	Cooling system failure – Blanketing test	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.4.4.17		2024-06-21
		5	Stand-alone Inverter AC output voltage and frequency	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.7.4		2024-06-21



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		6	Stand-alone inverter output voltage waveform	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.7.5		2024-06-21
		7	Array insulation resistance detection for inverters for ungrounded arrays	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.2.1		2024-06-21
		8	Array insulation resistance detection for inverters for functionally grounded arrays	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.2.2		2024-06-21
		9	30mA touch current type test for isolated inverters	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.3.2		2024-06-21
		10	Fire hazard residual current type test for isolated inverters	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.3.3		2024-06-21
		11	Protection by residual current monitoring	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.3.5		2024-06-21
		12	Power Factor	《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005 Annex A		2024-06-21



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8	PV inverter	13	Harmonic Current	《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005 Annex B		2024-06-21
		14	Transient voltage limits	《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005 Annex C		2024-06-21
		1	Static MPPT efficiency	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010 4.3		2024-06-21
		2	Dynamic MPPT efficiency	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010 4.4		2024-06-21
		3	Static power conversion efficiency	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010 4.5		2024-06-21
		4	Test for single or multi-phase inverter	《Test Procedure of islanding prevention measures for utility-interconnected photovoltaic inverters 》 IEC 62116-2014 6		2024-06-21
		5	Rapid voltage changes	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.1.2		2024-06-21
		6	Voltage Flicker	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.1.3		2024-06-21
		7	Verification of Symmetry of Three-Phase Current Converter	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel		2024-06-21



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			Units	with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.2		
		8	Verification of the Generator Unit's Performance in the Grid	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.3		2024-06-21
		9	Verification of NA Protection	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.4		2024-06-21
		10	Connecting Conditions and Synchronization	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.5		2024-06-21
9	PV inverter	1	Fuctiong test procedure-inverters	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.2.3		2024-06-21
		2	Insulation test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.4		2024-06-21
		3	Outdoor exposure test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.5		2024-06-21



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		4	Protection against mechanical impact(IK-code)	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.6		2024-06-21
		5	Shipping vibration test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.8		2024-06-21
		6	Shock test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.9		2024-06-21
		7	UV test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.10		2024-06-21
		8	Thermal cycling test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.11		2024-06-21
		9	Humidity-freeze test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.12		2024-06-21
		10	Damp heat test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.13		2024-06-21
		11	Robustness of terminals test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.14		2024-06-21
		12	Damp heat,cyclic test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.15		2024-06-21



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10	Inverter of wind and solar energy supply power system for off-grid	1	Output voltage and Output frequency	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.2	revoked and retained, which can only be used when referenced.	2024-06-21
		2	Waveform output	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.3	revoked and retained, which can only be used when referenced.	2024-06-21
		3	effectiveness	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.4	revoked and retained, which can only be used when referenced.	2024-06-21
		4	Temperature Rise	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.5	revoked and retained, which can only be used when referenced.	2024-06-21
		5	protection	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.6	revoked and retained,	2024-06-21



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		№	Item/ Parameter			
		6	Load level	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.7	which can only be used when referenced. revoked and retained, which can only be used when referenced.	2024-06-21
		7	Load loss	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.8	revoked and retained, which can only be used when referenced.	2024-06-21
		8		《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.9	revoked and retained, which can only be used when referenced.	2024-06-21
		9	High and low temperature	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.1	revoked and retained, which can only be used when	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					referenced.	
		10	Vibration and free fall	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.11	revoked and retained, which can only be used when referenced.	2024-06-21
		11	Insulation resistance and dielectric strength	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.12	revoked and retained, which can only be used when referenced.	2024-06-21
		12	Working hours before the first failure	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.15	revoked and retained, which can only be used when referenced.	2024-06-21
11	photovoltaic power station	1	Three-phase voltage unbalance	《Test code for power quality of photovoltaic power station》 NB/T 32006-2013 7.2.1		2024-06-21
		2	Three-phase current imbalance	《Test code for power quality of photovoltaic power station》 NB/T 32006-2013 7.2.2		2024-06-21
		3	Current harmonic detection	《Test code for power quality of photovoltaic power station》 NB/T 32006-2013 7.4.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Between current harmonic detection	《Test code for power quality of photovoltaic power station》NB/T 32006-2013 7.4.2		2024-06-21
		5	Active power output characteristics detected	《Testing code for power control of photovoltaic power station》NB/T 32007-2013 7.2		2024-06-21
		6	Active power change detection (photovoltaic power stations starting condition)	《Testing code for power control of photovoltaic power station》NB/T 32007-2013 7.3.1		2024-06-21
		7	Active power change detection (photovoltaic power stations shut down condition)	《Testing code for power control of photovoltaic power station》NB/T 32007-2013 7.3.2		2024-06-21
		8	Ability to detect active power control	《Testing code for power control of photovoltaic power station》NB/T 32007-2013 7.4		2024-06-21
		9	The ability to detect reactive power output	《Testing code for power control of photovoltaic power station》NB/T 32007-2013 7.5		2024-06-21
		10	The ability to detect reactive power control	《Testing code for power control of photovoltaic power station》NB/T 32007-2013 7.6		2024-06-21
12	PV grid-connected inverter	1	Voltage, current and frequencyNormal voltage operating range	《Photovoltaic(PV)-Characteristics of the utility interface》IEC 61727:2004 4.1,4.2		2024-06-21
		2	Flicker	《Photovoltaic(PV)-Characteristics of the utility interface》IEC 61727:2004 4.3		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	DC injection	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 4.4		2024-06-21
		4	Harmonics and waveform distortion	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 4.5		2024-06-21
		5	Power factor	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 4.7		2024-06-21
		6	Over/under voltage	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 5.2.1		2024-06-21
		7	Over/under frequency	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 5.2.2		2024-06-21
		8	Islanding protection	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 5.3		2024-06-21
		9	Response to utility recovery	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 5.4		2024-06-21
13	photovoltaic power station	1	PV array testing	《Code for construction of PV power station》 GB 50794-2012 6.2		2024-06-21
		2	Inverter debugging	《Code for construction of PV power station》 GB 50794-2012 6.4		2024-06-21
14	photovoltaic power station	1	PV string conformance test	《On-site testing procedure for PV module of PV power station》 NB/T 32034-2016 8.1		2024-06-21
		2	insulation impedance measurement test of PV array	《On-site testing procedure for PV module of PV power station》 NB/T 32034-2016 8.4		2024-06-21
		3	efficiency test of PV module	《Crystalline silicon photovoltaic(PV) array On-site measurement of I-V characteristics》 GB/T 18210-2000 5.1		2024-06-21
		4	current-voltage characteristics test	《Photovoltaic devices Part1: Measurement of photovoltaic current-voltage characteristics》 GB/T 6495.1-1996 3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
15	photovoltaic power station	1	Voltage deviation	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 4		2024-06-21
		2	Reactive power	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 5		2024-06-21
		3	Reactive power capacity	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 6		2024-06-21
		4	Reactive power supplement device	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 7		2024-06-21
		5	Voltage regulation	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 8		2024-06-21
		6	Reactive voltage control system	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 9		2024-06-21
		7	Monitoring and assessment	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 10		2024-06-21
16	photovoltaic power station	1	low voltage ride through	《Technical rule for connecting photovoltaic power station to power grid》 Q/GDW 1617-2015 8.2		2024-06-21
		2	high voltage ride through	《Technical rule for connecting photovoltaic power station to power grid》 Q/GDW 1617-2015 8.3		2024-06-21
17	photovoltaic power station	1	harmonic	《Quality of electric energy supply Harmonics in public supply network》 GB/T 14549-1993		2024-06-21
		2	Interharmonics	《Power quality-Interharmonics in public supply network》 GB/T 24337-2009		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	Deviation of voltage	《Power quality-Deviation of supply voltage》 GB/T 12325-2008		2024-06-21
		4	Voltage flicker	《Power quality-Voltage flicker》 GB/T 12326-2008		2024-06-21
		5	Voltage imbalance	《Power quality-Three-phase voltage unbalance》 GB/T 15543-2008		2024-06-21
		6	DC component	《Technical requirements for grid connection of distributed resources》 GB/T 33593-2017 4.6		2024-06-21
18	PV inverter	1	Environmental conditions	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.1		2024-06-21
		2	Performance test platform	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.1		2024-06-21
		3	Maximum conversion efficiency	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.2.1		2024-06-21
		4	Inversion efficiency curve	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.2.2		2024-06-21
		5	And net current harmonic test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.3		2024-06-21
		6	Power Factor test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.4		2024-06-21
		7	Grid voltage response test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.5		2024-06-21
		8	Grid frequency response test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.6		2024-06-21
		9	DC component test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.7		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Voltage unbalance test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.8		2024-06-21
		11	Noise Test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.9		2024-06-21
		12	Anti-islanding protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.1.1		2024-06-21
		13	Low voltage ride through test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.1.2		2024-06-21
		14	AC short circuit protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.1.3		2024-06-21
		15	"Anti-anti-discharge protection"test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.2		2024-06-21
		16	Reverse polarity protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.3		2024-06-21
		17	DC overload protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.4		2024-06-21
		18	DC over voltage protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.5		2024-06-21
		19	insulation impedance measurement test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.6		2024-06-21
		20	Square residual current detection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.7		2024-06-21
		21	communication function test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.8		2024-06-21
		22	Switcher	《Technical Specification and Test Method of Grid-connected		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.9		
		23	Soft Start	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.1		2024-06-21
		24	Measurement of insulation resistance test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.11.1		2024-06-21
		25	Insulation strength test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.11.2		2024-06-21
		26	power control and voltage regulation test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.14		2024-06-21
		27	Active controlled trial test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.14.1		2024-06-21
		28	Voltage / reactive power regulation test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.14.2		2024-06-21
		29	continuous work test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.15		2024-06-21
		30	Temperature Rise test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.16		2024-06-21
19	Grid connected PV systems	1	Photovoltaic efficiency ratio of photovoltaic power station (PR)	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 6.3		2024-06-21
		2	Photovoltaic power plant standard energy efficiency ratio PR _{stc}	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 6.4		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	Measurement and correction of light intensity and junction temperature	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 7.3		2024-06-21
		4	Corrected formula for current, voltage and power	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 7.4		2024-06-21
		5	Photovoltaic component visual quality verification	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.4		2024-06-21
		6	Bracket mounting form, bracket material, corrosion protection and quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.5		2024-06-21
		7	Square matrix basic form	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.6		2024-06-21
		8	PV array arrangement and installation quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.7		2024-06-21
		9	DC cable quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.8		2024-06-21
		10	Cable laying quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.9		2024-06-21
		11	Confluence box installation location, installation quality and function	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.10		2024-06-21
		12	Inverter installation concentration,	《Guideline of Performance Testing and Quality Assessment for		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			machine room installation location, ventilation conditions and construction quality	Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.12		
		13	Transformer type, installation location and installation quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.13		2024-06-21
		14	Lightning protection grounding installation method and installation quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.14		2024-06-21
		15	Power plant fence form, height and construction quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.15		2024-06-21
20	Grid connected PV systems	1	Meteorological environment parameter	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 4.2		2024-06-21
		2	The monitoring of dc voltage, current and power	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS0016-2015 4.3.1		2024-06-21
		3	The monitoring of ac voltage, current and power	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS0016-2015 4.3.2		2024-06-21
		4	The monitoring of power quality and power factor	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 4.3.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Photovoltaic power station overall performance evaluation	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9		2024-06-21
		6	Actual installation power for verification	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS0016-2015 8.2		2024-06-21
		7	Photovoltaic capacity and ratio of inverter capacity for verification	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.3		2024-06-21
		8	Junction box of the positive and negative electrode clearance/creepage distance	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.11		2024-06-21
		9	Photovoltaic modules of infrared (IR) scan	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.2		2024-06-21
		10	Photovoltaic system stain and dust cover losses	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.3		2024-06-21
		11	Pv array temperature loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.4		2024-06-21
		12	Photovoltaic modules power failure	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.5		2024-06-21



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		13	Photovoltaic modules of electroluminescent (EL) detection	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.6		2024-06-21
		14	Group of bunch of photovoltaic modules in series mismatch loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.2		2024-06-21
		15	Multiple groups of series-parallel mismatch loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.3		2024-06-21
		16	Multiple junction box parallel mismatch loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.4		2024-06-21
		17	Each string to set series of inverter parallel mismatch	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.5		2024-06-21
		18	Photovoltaic string to the junction box set of dc line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.8.2		2024-06-21
		19	Junction box to the inverter dc line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.8.3		2024-06-21
		20	Photovoltaic string to group series inverter dc line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.8.4		2024-06-21
		21	Cover loss between the pv array	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.9		2024-06-21



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		22	Adopt the centralized inverter ac line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.10.1		2024-06-21
		23	Using group series inverter ac line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.10.2		2024-06-21
		24	Inverter efficiency	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.11		2024-06-21
		25	In situ step-up transformer efficiency	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.13		2024-06-21
		26	Photovoltaic phalanx insulation	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.14		2024-06-21
		27	The grounding continuity test	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.15		2024-06-21
		28	Power quality test	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.1	revoked and retained, which can only be used when referenced.	2024-06-21
		29	Active/reactive power control	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.2	revoked and retained, which can	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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					only be used when referenced.	
		30	Low voltage across	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.4	revoked and retained, which can only be used when referenced.	2024-06-21
		31	Voltage/frequency to adapt to the ability to test and verify	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.5	revoked and retained, which can only be used when referenced.	2024-06-21
		32	Main transformer selection	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2012 8	revoked and retained, which can only be used when referenced.	2024-06-21
		33	The lonely island	《Photovoltaic power generation system connected to the distribution network technical regulations》 GB/T 29319-2012 9.16.3	revoked and retained, which can only be used when referenced.	2024-06-21



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21	Energy storage converter used for PV generation system	1	The durability of the logo	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 6.1.4		2024-06-21
		2	Uv exposure	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.2.1		2024-06-21
		3	Test to check	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.1		2024-06-21
		4	Protect the connection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.2		2024-06-21
		5	Contact current	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.3		2024-06-21
		6	Dielectric properties of validation	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.4		2024-06-21
		7	Stability test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.1		2024-06-21
		8	Handling requirements	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.2		2024-06-21
		9	Terminal mechanical strength test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.3.2		2024-06-21
		10	Terminal bending test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.3.3		2024-06-21
		11	Terminal pull test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.3.4		2024-06-21
		12	Heating wire ignition test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.5.2		2024-06-21
		13	The basic functional verification	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Electrical properties general requirements	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.1		2024-06-21
		15	Temperature rise	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.2		2024-06-21
		16	The power quality	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.3		2024-06-21
		17	Over/under-voltage protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.1		2024-06-21
		18	Lead/low frequency protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.2		2024-06-21
		19	Polarity or phase sequence error protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.3		2024-06-21
		20	Dc input overload protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.4		2024-06-21
		21	Short circuit protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.5		2024-06-21
		22	Operating overvoltage	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.6		2024-06-21
		23	The island to protect	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.7		2024-06-21
		24	Power control	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.5		2024-06-21
		25	Phalanx insulation impedance test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.6.1		2024-06-21
		26	Square residual current test	《Technical Specification of Energy storage converter used for		2024-06-21



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		№	Item/ Parameter			
				PV generation system》 CNCA/CTS 0022-2013 8.6.2		
		27	Running state	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.7		2024-06-21
		28	Switch time	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.8		2024-06-21
		29	On the energy storage battery management system (BMS) function general requirements	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.9		2024-06-21
		30	Constant humid heat test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.10.4		2024-06-21
22	Power converter	1	Thermal testing	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.3		2024-06-21
		2	Testing in single fault condition	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.4		2024-06-21
		3	Humidity preconditioning	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.5		2024-06-21
		4	Electrical ratings tests	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.7		2024-06-21
		5	Protection against direct contact	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010		2024-06-21



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		№	Item/ Parameter			
				7.3.4		
		6	Rating of protective bonding	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.3.6.3.3		2024-06-21
		7	Clearance distances and Creepage distances	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.3.7.4 and 7.3.7.5		2024-06-21
		8	Protection against shock hazard due to stored energy	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.3.9		2024-06-21
		9	Protection against energy hazards	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.4		2024-06-21
		10	Impulse voltage test (type test)	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.1		2024-06-21
		11	Voltage test (dielectric strength test) (type test and routine test)	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.2		2024-06-21
		12	Partial discharge test (type test or sample test)	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.3		2024-06-21
		13	Touch current measurement (type test)	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.4		2024-06-21
		14	Provisions for lifting and carrying	《Safety of power converters for use in photovoltaic power		2024-06-21



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				systems — Part 1: General requirements》 IEC 62109-1-2010 8.4		
		15	Limited power source test	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 9.2.2		2024-06-21
		16	Cord anchorages and strain relief	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.3.2.5		2024-06-21
		17	Stress relief test	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.6.2.1		2024-06-21
		18	250 N deflection test for metal enclosures	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.7.2		2024-06-21
		19	7 J impact test for polymeric enclosures	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.7.3		2024-06-21
		20	Drop Test	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.7.4		2024-06-21
23	Transducer	1	Clearances and creepage distances	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.2.1		2024-06-21
		2	PWB short-circuit (type test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.2.2		2024-06-21
		3	Deflection test (type test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC		2024-06-21



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				61800-5-1-2007		
		4	Impact test (type test and sample test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.2.5.3		2024-06-21
		5	Impulse voltage test (type test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.1		2024-06-21
		6	AC or DC voltage (type test and routine test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.2		2024-06-21
		7	Partial Discharge (type test , sample test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.3		2024-06-21
		8	Protective Impedance (type test and routine test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.4		2024-06-21
		9	Touch current measurement (type test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.5		2024-06-21
		10	Short-circuit test	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.6.3		2024-06-21
		11	Breakdown of components	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.6.4		2024-06-21
		12	Capacitor discharge	《Adjustable speed electrical power drive systems - Part 5-1:		2024-06-21



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		№	Item/ Parameter			
			(type test)	Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.7		
		13	Temperature Rise (type test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.8		2024-06-21
		14	Protective bonding (type test and routine test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.9		2024-06-21
		15	Loss of phase (type test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.4		2024-06-21
		16	Inoperative blower	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.5.2		2024-06-21
		17	Clogged filter	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.5.3		2024-06-21
		18	Lose of coolant	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.5.4		2024-06-21
		19	High current arcing ignition (type test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.1		2024-06-21
		20	Hot wire Ignition test(type test-alternative to Glow-wire test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.3		2024-06-21
		21	Flammability test	《Adjustable speed electrical power drive systems - Part 5-1:		2024-06-21



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		№	Item/ Parameter			
24	AC connector		(type test)	Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.5		
		22	Flammability	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.4		2024-06-21
		23	Hydrostatic pressure (type test and routine test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.7		2024-06-21
		1	Error protected with	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.3		2024-06-21
		2	Protection against electric shock	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.4		2024-06-21
		3	Terminals, end and connection conductor	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.5		2024-06-21
		4	Structure	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.6		2024-06-21
		5	Prevent harmful solid matter	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.7.1		2024-06-21
		6	Prevent water intrusion	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.7.2		2024-06-21
		7	Insulation strength and dielectric strength	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.8		2024-06-21
		8	The structure of contact element	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.9		2024-06-21
		9	Temperature rise	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.10		2024-06-21



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		10	Separation force of the connector	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.12		2024-06-21
		11	Cable and cable connection	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.13		2024-06-21
		12	Mechanical strength	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.14		2024-06-21
		13	Thread parts,current carrying parts and fittings	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.15		2024-06-21
		14	Clearance and creepage distance and the along the solid insulation	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 6.16		2024-06-21
		15	Ball pressure test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 7.1.1		2024-06-21
		16	The performance of resistance to hot and humid and temperature changes	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 7.1.2.1		2024-06-21
		17	High temperature resistance performance	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 7.1.3		2024-06-21
		18	Current loop resistance aging test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 7.1.4		2024-06-21
		19	Insulation heat resistant,flame retardant,resistance to ultraviolet light	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 7.2.1		2024-06-21



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		№	Item/ Parameter			
		20	Resistant to tracking	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 7.2.2		2024-06-21
		21	Corrosion resistant	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 7.3		2024-06-21
25	Photovoltaic (PV) systems	1	Continuity of protective earthing and equipotential bonding conductors	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.1		2024-06-21
		2	Polarity test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.2		2024-06-21
		3	PV string combiner box test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.3		2024-06-21
		4	PV string – Open circuit voltage measurement	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.4		2024-06-21
		5	PV string – circuit test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.5		2024-06-21
		6	Functional tests	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.6		2024-06-21



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		7	PV array insulation resistance test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.7		2024-06-21
		8	String I-V curve measurement	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 7.2		2024-06-21
		9	PV array infrared camera inspection procedure	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 7.3		2024-06-21
		10	Voltage to ground – Resistive ground systems	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 8.1		2024-06-21
		11	Blocking diode test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 8.2		2024-06-21
		12	PV array – Wet insulation resistance test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 8.3		2024-06-21
26	electrochemical energy storage system		All items	Testing code for power conversion system of energy storage system GB/T 34133-2023		2025-06-10
		1	Visual inspection	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 7.1		2024-06-21



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		2	Protection level	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 7.2		2024-06-21
		3	Start stop	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.1		2024-06-21
		4	Alarm and protection	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2		2024-06-21
		5	Polarity reversal	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2.1		2024-06-21
		6	AC incoming line phase sequence error	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2.2		2024-06-21
		7	DC voltage	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2.3		2024-06-21
		8	Overcurrent	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2.4		2024-06-21
		9	Over temperature	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2.5		2024-06-21
		10	Communication failure	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2.6		2024-06-21
		11	Cooling system malfunction	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.2.7		2024-06-21
		12	Insulation resistance monitoring	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.3		2024-06-21
		13	Communication and operational information monitoring	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.4		2024-06-21



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		14	Data display, statistics, and storage	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 8.5		2024-06-21
		15	Power output range	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.1		2024-06-21
		16	Active power control	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.2		2024-06-21
		17	Primary frequency modulation	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.3		2024-06-21
		18	Inertia response	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.4		2024-06-21
		19	Reactive power control	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.5		2024-06-21
		20	Overload capacity	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.6		2024-06-21
		21	Charge discharge conversion time	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.7		2024-06-21
		22	And off grid switching time	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.8		2024-06-21
		23	Voltage ripple and current ripple	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.9		2024-06-21
		24	harmonic current	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.1		2024-06-21
		25	Interharmonic voltage	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.2		2024-06-21
		26	Harmonic voltage	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.3		2024-06-21



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		27	DC component	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.4		2024-06-21
		28	Voltage deviation	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.5		2024-06-21
		29	Voltage imbalance	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.6		2024-06-21
		30	Fluctuation & flicker	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.7		2024-06-21
		31	Dynamic voltage transient	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.10.8		2024-06-21
		32	Fault traverse	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.11		2024-06-21
		33	Voltage adaptability	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.12.1		2024-06-21
		34	Frequency adaptability	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.12.2		2024-06-21
		35	Dielectric strength detection	《Low-voltage switchgear and controlgear assemblies—Part 1:General rules》 GB/T 7251.1-2013 10.9	revoked and retained, which can only be used when referenced.	2024-06-21
		36	Electrical clearance and creepage distance detection	《Low-voltage switchgear and controlgear assemblies—Part 1:General rules》 GB/T 7251.1-2013 11.3	revoked and retained, which can only be	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					used when referenced.	
		37	Frequency change rate adaptability	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.12.3		2024-06-21
		38	Anti islanding protection	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 9.13		2024-06-21
		39	Charging efficiency	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 6.10.4		2024-06-21
		40	Discharge efficiency	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 6.10.5		2024-06-21
		41	Standby loss	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 6.10.6		2024-06-21
		42	No load loss	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 6.10.7		2024-06-21
		43	Noise	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 6.11.1		2024-06-21
		44	Safety performance detection	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 10		2024-06-21
		45	temperature rise	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 10.8		2024-06-21
		46	Environmental adaptability	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 10.9		2024-06-21
		47	Mechanical protection	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 10.10		2024-06-21
		48	structural stability	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 10.10.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		49	Sign inspection	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 13.1		2024-06-21
		50	Durability of signage	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 13.2		2024-06-21
		51	Packaging vibration prevention	《Testing code for power conversion system of energy storage system》 GB/T 34133-2023 13.3		2024-06-21
27	electrochemical energy storage system		All items	Technical requirements for power conversion system of electrochemical energy storage system GB/T 34120-2023		2025-06-10
		1	Visual inspection	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 6.1		2024-06-21
		2	Protection grade	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 6.2		2024-06-21
		3	Primary FM port	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 7.1		2024-06-21
		4	Alarm and protection	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 7.4		2024-06-21
		5	Insulation resistance detection	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 7.5		2024-06-21
		6	Current total harmonic distortion rate	《Power quality-Voltage fluctuation and flicker》 GB/T 14549-1993		2024-06-21
		7	Communication function	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 7.6		2024-06-21
		8	Voltage fluctuation and flicker	《Power quality-Voltage fluctuation and flicker》 GB/T 12326-2008		2024-06-21
		9	Operation information monitoring	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 7.7		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Statistics	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 7.8		2024-06-21
		11	Data display and storage	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 7.9		2024-06-21
		12	Power output range	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.1.1		2024-06-21
		13	Active power control	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.1.2		2024-06-21
		14	Secondary frequency modulation function	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.1.3		2024-06-21
		15	Inertia response function	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.1.4		2024-06-21
		16	Reactive power control	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.1.5		2024-06-21
		17	Overload capacity	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.2		2024-06-21
		18	Charge discharge conversion time	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.3		2024-06-21
		19	And off grid switching time	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		20	Current ripple	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.5		2024-06-21
		21	Voltage ripple	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.6		2024-06-21
		22	power quality	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.7		2024-06-21
		23	Fluctuation & flicker	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.7.6		2024-06-21
		24	Dynamic voltage transient	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.7.7		2024-06-21
		25	fault ride-through	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.8		2024-06-21
		26	power grid adaptability	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.9		2024-06-21
		27	Anti islanding protection	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.10		2024-06-21
		28	Efficiency	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.11		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		29	Loss	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.12		2024-06-21
		30	Noise	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.1.13		2024-06-21
		31	Electrical clearances and creepage distances	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.2.1.1		2024-06-21
		32	electrical safety	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.2.1		2024-06-21
		33	Temperature rise	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.2.2		2024-06-21
		34	environmental suitability	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.2.3		2024-06-21
		35	Mechanical protection	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 8.2.4		2024-06-21
		36	Cooling system	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 10.1		2024-06-21
		37	Auxiliary power supply	《Technical requirements for power conversion system of electrochemical energy storage system》 GB/T 34120-2023 10.2		2024-06-21
		38	Electrical clearance and creepage distance	《Low-voltage switchgear and controlgear assemblies—Part 1:General rules》 GB/T 7251.1-2013 11.3	revoked and retained,	2024-06-21



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					which can only be used when referenced.	
28	Photovoltaic grid-connected inverter	1	Clearance	《Insulation coordination for equipment within low-voltage systems-Part 1: Principles, requirements and tests》 GB/T 16935.1-2008 6.2		2024-06-21
		2	Creepage distance	《Insulation coordination for equipment within low-voltage systems-Part 1: Principles, requirements and tests》 GB/T 16935.1-2008 6.2		2024-06-21
29	Grid connected PV systems	1	Power ratio	《Residential grid-connected photovoltaic(PV) system-Part 6: Performance evaluation method》 T/CPIA 0011.6-2019 4.3		2024-06-21
		2	System Performance Ratio	《Residential grid-connected photovoltaic(PV) system-Part 6: Performance evaluation method》 T/CPIA 0011.6-2019 4.2		2024-06-21
30	Photovoltaic grid-connected inverter		All parameter	《Technical specification of PV grid-connected inverter》 NB/T 32004-2018	The electromagnetic compatibility project was launched in dongting	2024-06-21
31	Grid connected PV systems		All parameter	《Basic acceptance requirements for grid-connected PV systems》 CNCA/CTS 0004-2010		2024-06-21
32	Grid connected PV systems		All parameter	《Targeted poverty alleviation-Technical guide of village photovoltaic power station》 GB/T 36115-2018		2024-06-21
33	Grid connected PV systems		All parameter	《Targeted poverty alleviation-Management and evaluation guide of village photovoltaic power station》 GB/T 36119-2018		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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34	Grid connected PV systems		All parameter	《Residential grid-connected photovoltaic(PV) system-Part 4: Code for acceptance》 T/CPIA 0011.4-2019		2024-06-21
35	Combiner box for photovoltaic power station		All parameter	《Technical requirement of combiner box for photovoltaic power station》 GB/T 34936-2017	The electromagnetic compatibility project was launched in dongting	2024-06-21
36	Technical code for combiner box test of photovoltaic power station		All parameter	《Technical code for combiner box test of photovoltaic power station》 GB/T 34933-2017	The electromagnetic compatibility project was launched in dongting	2024-06-21
37	photovoltaic grid-connected inverter		All parameters	《Technical requirements for photovoltaic grid-connected inverter》 GB/T 37408-2019	The electromagnetic compatibility project was launched in dongting	2024-06-21
38	photovoltaic grid-connected inverter		All parameters	《Testing specification for photovoltaic grid-connected inverter》 GB/T 37409-2019	The electromagnetic compatibility project was launched in dongting	2024-06-21



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					ty project was launched in dongting	
39	photovoltaic power systems		Some parameters	《Acceptance specification of building integrated photovoltaic power systems》 GB/T 37655-2019	Do not do detailed structural engineering acceptance, energy storage system acceptance, DC side high voltage protection measures inspection, AC power distribution equipment acceptance, power quality, secondary system, micro grid system acceptance, protection	2024-06-21



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		№	Item/ Parameter			
					devices and equipotential bodies, lightning protection and grounding, photovoltaic and building integrated power generation system acceptance	
40	PV inverter	1	Sinusoidal variable frequency vibration test	《Packaging-Basic tests for transport packages-Part 10:Sinusoidal vibration test method using at variable vibration frequency》 GB/T 4857.10-2005		2024-06-21
41	earth resistivity	1	The grounding impedance	《Guide for measuring earth resistivity,ground impedance and earth surface potentials of a ground system-Part 1:Normal measurements》 GB/T 17949.1-2000 8	Ground impedance only (three point method)	2024-06-21
42	household hybrid photovoltaic and storage converter		some parameters	《Test of household hybrid photovoltaic and storage converter》 GB/T 41240-2022	Except for electromagnetic compatibility performance test	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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43	Photovoltaic inverter		All parameters	《The grid-connected inverter regulations of the Provincial Electricity Authority(PEA 2016)》 PEA 2016		2024-06-21
44	Photovoltaic inverter		All parameters	《The grid-connected inverter regulations of the Metropolitan Electricity Authority (MEA 2015)》 MEA 2015		2024-06-21
45	Grid-connected PV Power Plants		Some parameters	《Technical specifications for performance testing and quality assessment of key equipment for Grid-connected PV Power Plants》 NB/T 10185-2019	Only test Electroluminescence test of photovoltaic module and Thickness test of galvanized coating	2024-06-21
46	photovoltaic power station		Some parameters	《Testing code for photovoltaic power station connected to power grid》 GB/T 31365-2015	Only test Active power output characteristics and Active power change	2024-06-21
47	electronic products		All parameters	《Accelerated stress testing procedures for electric and electronic products-Guidance for highly accelerated life test》 GB/T 29309-2012		2024-06-21
48	Photovoltaic power station		Part of Parameters	《Low-voltage electrical installations--Part 6: Verification》 GB/T 16895.23-2020		2024-06-21



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49	Photovoltaic power station		Part of Parameters	《Green building materials assessment Solar photovoltaic system》 T/CECS 10074-2019		2024-06-21
50	photovoltaic grid-connected inverter		Part of Parameters	《Inverters Converters Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741:2023		2024-06-21
51	photovoltaic grid-connected inverter		Part of Parameters	《GRID INTERCONNECTION OF EMBEDDED GENERATION PART 2: SMALL-SCALE EMBEDDED GENERATION SECTION 1: UTILITY INTERFACE》 NRS 097-2-1:2017		2024-06-21
52	photovoltaic grid-connected inverter		Part of Parameters	《Grid connection of energy systems via inverters Part 2: Inverter requirements》 AS/NZS 4777.2:2020		2024-06-21
53	photovoltaic module power optimizer		All parameters	《Technical specification of photovoltaic module power optimizer》 NB/T 42143-2018		2024-06-21
54	photovoltaic grid-connected inverter		All parameters	《Photovoltaic (PV) systems – Characteristics of the utility interface》 ABNT NBR 16149-2013		2024-06-21
55	photovoltaic grid-connected inverter		All parameters	《Photovoltaic (PV) systems — Characteristics of the utility interface —Conformity test procedure》 ABNT NBR 16150-2013		2024-06-21
56	Charging station		All parameters	《Field inspecting specification for electric vehicle charging equipment》 NB/T 10901-2021		2024-06-21
57	photovoltaic grid-connected inverter		Part of Parameters	《Requirements for generating plants to be connected in parallel with distribution networks》 EN 50549-1: 2019		2024-06-21
58	photovoltaic grid-connected inverter		Part of Parameters	《Generators connected to the low-voltage distribution network – Technical requirements for the connection to and parallel operation with low-voltage distribution networks》 VDE-AR-N		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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				4105:2018		
59	photovoltaic grid-connected inverter		Part of Parameters	《Grid integration of generator plants-Low-voltage Test requirements for generator units to be connected to and operated in parallel with lowvoltage distribution networks》 VDE V 0124-100:2020		2024-06-21
60	photovoltaic grid-connected inverter	1	DC arc detection and interruption	《Photovoltaic(PV)DC Arc-Fault CircuitProtection》 IEC 63027:2023 9		2025-06-10
61	photovoltaic grid-connected inverter	1	Arc Fault Detection Tests	《Photovoltaic(PV)DC Arc-Fault CircuitProtection》 UL 1699B:2021 29		2025-06-10
		2	Unwanted Tripping Tests	《Photovoltaic(PV)DC Arc-Fault CircuitProtection》 UL 1699B:2021 30		2025-06-10
62	photovoltaic grid-connected inverter		Partial parameter	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024	Except for Adaptability to low short circuit ratio, sub/super synchronous oscillation, power prediction, monitoring and control, simulation models and parameters, relay	2025-06-10



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		№	Item/ Parameter			
					protection and safety automatic devices, photovoltaic power station scheduling automation, photovoltaic power station communication	
		1	Active power control	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 4.1		2025-06-10
		2	Emergency control	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 4.2		2025-06-10
		3	Primary frequency modulation	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 4.3		2025-06-10
		4	Reactive voltage	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 5		2025-06-10
		5	Low voltage crossing	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 6.1		2025-06-10
		6	High voltage crossing	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 6.2		2025-06-10
		7	Continuous fault crossing	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 6.3		2025-06-10



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		№	Item/ Parameter			
		8	Voltage adaptability	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 7.1		2025-06-10
		9	Power quality adaptability	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 7.2		2025-06-10
		10	Frequency adaptability	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 7.3		2025-06-10
		11	Voltage deviation	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 9.1		2025-06-10
		12	Voltage fluctuations and flickers	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 9.2		2025-06-10
		13	Harmonics and interharmonics	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 9.3		2025-06-10
		14	Voltage unbalance degree	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2024 9.4		2025-06-10
63	photovoltaic grid-connected inverter		Partial parameter	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024	Except for Monitoring and governance , start stop, line protection, residual current protection, power prediction, energy metering, communica	2025-06-10



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		№	Item/ Parameter			
					tion and information , simulation models and parameters	
		1	Active power control	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 4.1		2025-06-10
		2	Primary frequency modulation	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 4.2		2025-06-10
		3	Reactive voltage	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 5		2025-06-10
		4	Low voltage crossing	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 6.1		2025-06-10
		5	High voltage crossing	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 6.2		2025-06-10
		6	Continuous low voltage crossing	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 6.3		2025-06-10
		7	Voltage adaptability	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 7.1		2025-06-10
		8	Frequency adaptability	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 7.2		2025-06-10
		9	Power quality adaptability	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 7.3		2025-06-10
		10	Voltage deviation	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 8.1		2025-06-10
		11	Voltage fluctuations and flickers	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 8.2		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Harmonics and interharmonics	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 8.3		2025-06-10
		13	Voltage unbalance degree	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 8.4		2025-06-10
		14	Dc component	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 8.5		2025-06-10
		15	Low/high voltage protection	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 10.3		2025-06-10
		16	Frequency protection	《Technical requirements for connecting photovoltaic power station to distribution network》 GB/T 29319-2024 10.4		2025-06-10
64	Electrochemical energy storage power station		All parameters	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024		2025-06-10
		1	Active power control	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 7.1		2025-06-10
		2	Reactive power control	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 7.2		2025-06-10
		3	Power factor regulation	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 7.3		2025-06-10
		4	Charge and discharge time	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 8		2025-06-10
		5	Rated energy	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 9		2025-06-10
		6	Rated energy efficiency	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 10		2025-06-10
		7	Power quality	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 11		2025-06-10



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		№	Item/ Parameter			
		8	Primary frequency modulation	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 12		2025-06-10
		9	Inertia response	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 13		2025-06-10
		10	Operational adaptability	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 14		2025-06-10
		11	Fault traverse	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 15		2025-06-10
		12	Overload capacity	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 16		2025-06-10
		13	Automatic generation control	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 17		2025-06-10
		14	Automatic voltage control	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 18		2025-06-10
		15	Emergency power support	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 19		2025-06-10
65	PV module	1	Infrared thermal imaging (TIS) detection of photovoltaic modules	《Specification for infrared thermal imaging(TIS) inspection of photovoltaic modules》 NB/T 11081-2023 7		2025-06-10
66	Photovoltaic power station	1	Power system frequency deviation detection	《Power quality-Frequency deviation for power system》 GB/T 15945-2008 9		2025-06-10
67	Sine-wave reverse control energy storage machine		All parameters	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023		2025-06-10
		1	Output voltage	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.2		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Output frequency	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.3		2025-06-10
		3	Output voltage harmonic component	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.4		2025-06-10
		4	efficiency	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.5		2025-06-10
		5	Input reverse protection	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.6.1		2025-06-10
		6	Input undervoltage protection	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.6.2		2025-06-10
		7	Input overvoltage protection	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.6.3		2025-06-10
		8	Overcurrent protection	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.6.4		2025-06-10
		9	Output short-circuit protection	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.6.5		2025-06-10
		10	Lightning protection	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.6.6		2025-06-10
		11	Load class	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.7		2025-06-10
		12	No-load loss	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.8		2025-06-10
		13	Remote monitoring	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.9		2025-06-10
		14	Vibration and free fall	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.1		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		15	Insulation resistance	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.11.1		2025-06-10
		16	Dielectric strength	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.11.2		2025-06-10
		17	noise	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.12		2025-06-10
		18	Appearance and structure requirement	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.13		2025-06-10
		19	hypothermy	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.1.1		2025-06-10
		20	hyperthermia	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.1.2		2025-06-10
		21	Constant humid heat	《Inverter of wind and solar energy supply power system for off-grid》 GB/T 20321-2023 6.1.3		2025-06-10
68	Connectors		All parameters	《Connectors-Safety requirements and tests》 IEC 61984:2008		2025-06-10
		1	Visual and dimensional examination	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.11		2025-06-10
		2	Durability of marking	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.2		2025-06-10
		3	Polarisation and coding	《Connectors-Safety requirements and tests》 IEC 61984:2008 A3		2025-06-10
		4	Provisions for earthing	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.3		2025-06-10
		5	Interlock	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.4		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Terminations	《Connectors-Safety requirements and tests》 IEC 61984:2008 A6		2025-06-10
		7	Contact retention in insert	《Connectors-Safety requirements and tests》 IEC 61984:2008 A7		2025-06-10
		8	Cable clamp resistance to cable pull	《Connectors-Safety requirements and tests》 IEC 61984:2008 A8.1		2025-06-10
		9	Cable clamp resistance to cable torsion	《Connectors-Safety requirements and tests》 IEC 61984:2008 A8.2		2025-06-10
		10	Mechanical strength impact	《Connectors-Safety requirements and tests》 IEC 61984:2008 A9		2025-06-10
		11	Initial measurement	《Connectors-Safety requirements and tests》 IEC 61984:2008 B1		2025-06-10
		12	Breaking capacity	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.5		2025-06-10
		13	Mechanical operation	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.9		2025-06-10
		14	Final measurement	《Connectors-Safety requirements and tests》 IEC 61984:2008 B4		2025-06-10
		15	Bending test	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.10		2025-06-10
		16	Temperature rise	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.8		2025-06-10
		17	Initial measurement	《Connectors-Safety requirements and tests》 IEC 61984:2008 D1		2025-06-10
		18	Cold	《Connectors-Safety requirements and tests》 IEC 61984:2008 D2		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		19	Dry heat	《Connectors-Safety requirements and tests》 IEC 61984:2008 D3		2025-06-10
		20	Protection against corrosion	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.14		2025-06-10
		21	Final measurement	《Connectors-Safety requirements and tests》 IEC 61984:2008 D5		2025-06-10
		22	Dielectric strength	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.12 b)		2025-06-10
		23	Protection against electric shock	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.6.1,7.3.6.2		2025-06-10
		24	Provision for earthing	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.13		2025-06-10
		25	Degree of protection IP code	《Connectors-Safety requirements and tests》 IEC 61984:2008 7.3.6.3,7.3.7		2025-06-10
(6)、Additive manufacturing material&parts						
1	Metallic materials	1	Compression testing	《Metallic materials-Compression testing at ambient temperature》 GB/T 7314-2017	Except for compressiv e modulus of elasticity	2024-06-21
		2	Charpy pendulum impact	《Metallic materials –Charpy pendulum impact test method》 GB/T 229-2020	Accredited only for Normal temperature to -60°C under 300J	2024-06-21
		3	Metal high-temperature tensile strength testing	《Metallic materials - Tensile testing of metallic materials - Part second: Test methods for high temperature》 GB/T 228.2-2015	Accredited only for : 200°C~120	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					0°C ≤300kN, Method B, Circular Specimen	
		4	Alloy compressive strength testing	《Hardmetals.Compression test》 GB/T 23370-2009		2024-06-21
		5	Determination of transverse rupture strength alloy	《Method for determination of transverse rupture strength of cemented carbide》 GB/T 3851-2015		2024-06-21
		6	Erichsen cupping test	《Metallic materials.Sheet and strip.Erichsen cupping test》 GB/T 4156-2020		2024-06-21
		7	fluidity	《Metallic powders.Determination of flow time by means of a calibrated funnel(Hall flowmeter)》 GB/T 1482-2022		2024-06-21
				《Standard Test Methods for Flow Rate of Metal Powders Using the Carney Funnel》 ASTM B964- 2016		2024-06-21
		8	Bulk Density	《Metallic powders—Determination of apparent density—Part 1:Funnal method》 GB/T 1479.1-2011		2024-06-21
				《Metallic powders—Determination of apparent density—Part 2:Scott volumeter method》 GB/T 1479.2-2011		2024-06-21
		9	Grain size distribution	《Standard Test Method for Particle Size Distribution of Metal Powders and Related Compounds by Light Scattering》 ASTM B822-2017		2024-06-21
				《Particle size analysis.Laser diffraction methods》 GB/T 19077-2016/ISO 13320-2009		2024-06-21
		10	Sieving size	《Metallic powders.Determination of particle size by dry sieving》 GB/T 1480-2012	Accredited only for	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					approximate same axis of metal powder. Accredited only for 45μm~125 μm pore size screening.	
				《Standard Test Method for Sieve Analysis of Metal Powders》 ASTM B214-2016	Accredited only for 45μm~125 μm pore size screening	2024-06-21
		11	Vibration density	《Standard Test Method for Tap Density of Metal Powders and Compounds》 ASTM B527-2015		2024-06-21
		12	Metal densitometry	《Impermeable sintered metal materials and hardmetals--Determination of density》 GB/T 3850-2015		2024-06-21
		13	Effective density	《Metallic powders.Determination of effective density.Liquid immersion method》 GB/T 5161-2014		2024-06-21
		14	Powder sphericity	《Representation of results of particle size analysis-Part 6:Qualitative and quantitative representation of particle shape and morphology》 GB/T 15445.6-2014	Accredited only for Roundness	2024-06-21
2	Metallic materials	1	Corrosion resistance	《Corrosion-resistant testing method of the metal deposits and conversion coatings for the light industrial products Neutral salt spraying test (NSS)》 QB/T 3826-1999		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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3	Metallic pipe	1	Drift-expending test	《Metallic materials-tube-Drift-expending test》 GB/T 242-2007		2024-06-21
4	Metallic pipe	1	Flattening test	《Metallic materials-tube-Flattening test》 GB/T 246-2017		2024-06-21
5	Steel products	1	yield strength	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.2	Accredited only for tension less than 1000kN	2024-06-21
		2	tensile strength	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.3	Accredited only for tension less than 1000kN	2024-06-21
		3	Elongation rate	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.4	Accredited only for tension less than 1000kN	2024-06-21
		4	Section shrinkage	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.5	Accredited only for tension less than 1000kN	2024-06-21
		5	Bend test	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 15		2024-06-21
		6	impact test	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 20		2024-06-21
6	Welded joints and welded	1	Tensile test on welded joints	《Destructive tests on welds in metallic materials—Transverse tensile test》 GB/T 2651-2023		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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	sample	2	Tensile test on weld and deposited metal	《Destructive tests on welds in metallic materials—Longitudinal tensile test on weld metal in fusion welded joints》 GB/T 2652-2022		2024-06-21
		3	Impact test	《Destructive tests on welds in metallic materials—Impact tests》 GB/T 2650-2022		2024-06-21
		4	Vickers hardness	《Hardness test methods on welded joints》 GB/T 2654-2008		2024-06-21
		5	Bend test	《Bend test methods on welded joints》 GB/T 2653-2008		2024-06-21
7	Iron & Steel	1	Effective Steel work hardening depth	《Measurement and review of Effective Steel work hardening depth》 GB/T 9450-2005		2024-06-21
		2	Steel work induction quench metal phase test	《Steel work induction quench metal phase test》 JB/T 9204-2008		2024-06-21
		3	Effective Steel work hardening depth after induction quench or fire quench	《Effective Steel work hardening depth after induction quench or fire quench》 GB/T 5617-2005		2024-06-21
		4	Intergranular corrosion	《Corrosion of metals and alloys—Test methods for intergranular corrosion of austenitic and ferritic-austenitic (duplex) stainless steels》 GB/T4334-2020	Except only for method A	2024-06-21
8	Steel for the reinforcement of concrete- Part 1: Hot rolled plain bars	1	size	《Steel for the reinforcement of concrete- Part 1: Hot rolled plain bars》 GB/T 1499.1-2017		2024-06-21
		2	weight	《Steel for the reinforcement of concrete- Part 1: Hot rolled plain bars》 GB/T 1499.1-2017		2024-06-21
9	Steel for the	1	size	《Steel for the reinforcement of concrete- Part 2: Hot rolled		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	reinforcement of concrete- Part 2: Hot rolled ribbed bars			ribbed bars》 GB/T 1499.2-2018		
		2	weight	《Steel for the reinforcement of concrete- Part 2: Hot rolled ribbed bars》 GB/T 1499.2-2018		2024-06-21
10	High strength link for steel structures	1	Connected torque coefficient	《Specifications of high strength bolts with large hexagon head, large hexagon nuts, plain washers for steel s structures》 GB/T 1231-2006 4.4		2024-06-21
11	bolts and screws	1	torque coefficient	《Mechanical properties of fasteners--Torsional test and minimum torques for bolts and screws with nominal diameters 1mm to 10mm》 GB/T 3098.13-1996 3.4		2024-06-21
12	fasteners	1	Shear and tensile test	《Mechanical properties of fasteners--Blind rivets testing》 GB/T 3098.18-2004 3		2024-06-21
		2	Head holding capacity test	《Mechanical properties of fasteners--Blind rivets testing》 GB/T 3098.18-2004 4		2024-06-21
		3	Core disassembly force test	《Mechanical properties of fasteners--Blind rivets testing》 GB/T 3098.18-2004 5		2024-06-21
		4	Core fracture load test	《Mechanical properties of fasteners--Blind rivets testing》 GB/T 3098.18-2004 6		2024-06-21
13	Titanium	1	Carbon content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2024-06-21
		2	Aluminium content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2024-06-21
		3	vanadium content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		4	Iron content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2024-06-21
		5	tensile strength	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2024-06-21
		6	Proof strength	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2024-06-21
		7	Elongation	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2024-06-21
		8	rate of reduction in area	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2024-06-21
14	Titanium and Titanium Alloys	1	Carbon	《Methods for chemical analysis of titanium spongeGB/T 4698.14-2011》 GB/T 4698.14-2011 6		2024-06-21
		2	Iron	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys.Determination of iron content 》 GB/T 4698.2-2011	Accredited only for method two	2024-06-21
		3	Determination of oxygen content	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys.Determination of oxygen and nitrogen content》 GB/T 4698.7-2011 4、 5	Accredited only for method 1 and method 2	2024-06-21
		4	Determination of nitrogen content	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys.Determination of oxygen and nitrogen content》 GB/T 4698.7-2011 4、 5	Accredited only for method 1 and method	2024-06-21



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					2	
15	Iron,steel and alloy	1	Carbon content	《Steel and iron— Determination of total carbon content - Infrared absorption method after combustion in an induction furnace》 ISO 9556: 1989 (E) 7		2024-06-21
		2	Phosphorus content	《Methods for chemical analysis of iron,Steel and alloy The diantipyryl methane phosphomolybdate gravimetric method for the determination of phosphorus content》 GB/T 223.3-1988 7		2024-06-21
		3	Manganese content	《Alloyed steel - Determination of manganese content - Potentiometric or visual titration method》 GB/T 223.4-2008 7	Except for potentiometric titration	2024-06-21
		4	acid-soluble silicon and total silicon content	《Steel and iron--Determination of acid-soluble silicon and total silicon content--Reduced molybdosilicate spectrophotometric method》 GB/T 223.5-2008 7		2024-06-21
		5	boron content	《Methods for chemical analysis of iron,steel and alloy The neutralization titrimetric method for the determination of boron content》 GB/T 223.6-1994 7		2024-06-21
		6	Iron content	《Iron power—Determination of iron content—Potassium dichromate titration method》 GB/T 223.7-2002 7		2024-06-21
		7	Aluminium content	《Iron,steel and alloy-Determination of aluminium content-Chrome azurol S photometric method》 GB/T 223.9-2008 7		2024-06-21
		8	Chromium content	《Iron,steel and alloy-Determination of chromium content-Visual titration or potentiometric titration method》 GB/T 223.11-2008 7	Except for potentiometric titration	2024-06-21
				《Methods for chemical analysis of iron,steel and alloy The sodium carbonate separation-diphenyl carbazide photometric method for the determination of chromium content》 GB/T 223.12-1991 7		2024-06-21



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		9	vanadium content	《Methods for chemical analysis of iron,steel and alloy The ammonium ferrous sulfate tirration method for the determination of vanadium content》 GB/T 223.13-2000 7		2024-06-21
				《Methods for chemical analysis of iron,steel and alloy The N-benzoy-N-phenyldhydroxylamine extraction photometric method for the determination of vanadium content》 GB/T 223.14-2000 7		2024-06-21
		10	Titanium content	《Methods for chemical analysis of iron,steel and alloy The diantipyrylmethane photometric method for the determination of titanium content》 GB/T 223.17-1989 7		2024-06-21
		11	cupper content	《Methods for chemical analysis of iron The sodium thiosulfate saporation iodimetric method for determination of cupper content》 GB/T 223.18-1994 7		2024-06-21
				《Methods for chemical analysis of iron,steel and alloy The neocuproine-chloroform extraction potometric metod for the determination of copper content》 GB/T 223.19-1989 7		2024-06-21
		12	Nickel content	《Iron,steel and alloy-Determination of nickel content-The dimethylglyoxime spectrophotometric method》 GB/T 223.23-2008 7		2024-06-21
				《Methods for chemical analysis of iron,steel and alloy The dimethylglyoxime gravimetric method for the determination of nickel content》 GB/T 223.25-1994 7		2024-06-21
		13	Molybdenum content	《Iron,steel and alloy-Determination of molybdenum content-The thiocyanate spectrophotometric method》 GB/T 223.26-2008 7		2024-06-21
				《Methods for chemical analysis of iron,steel and alloy The α -benzoinoxime gravimetric method for the determination of molybdenum content》 GB/T 223.28-1989 7		2024-06-21



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		14	arsenic content	《Methods for chemical analysis of iron,steel and alloy The hypophosphite reduction-iodimetric method for the determination of arsenic content》 GB/T 223.32-1994 7		2024-06-21
		15	hydrochloric acid-insoluble	《Methods for chemical analysis of iron,steel and alloy-The determination of hydrochloric acid-insoluble content of iron powders》 GB/T 223.34-2000 7		2024-06-21
		16	niobium content	《Iron,steel and alloy-Determination of niobium content by the sulphochorophenol S spectrophotometric method》 GB/T 223.40-2007 7		2024-06-21
		17	tungsten content	《Iron,steel and alloy-Determination of tungsten content-Gravimetric method and spectrophotometric method》 GB/T 223.43-2008 7		2024-06-21
		18	Magnesium content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrometric method for the determination of magnesium content》 GB/T 223.46-1989 7		2024-06-21
		19	Tin content	《Methods for chemical analysis of iron,steel and alloy The phenylfluorone-CTMAB direct photometric method for the determination of tin content》 GB/T 223.50-1994 7		2024-06-21
		20	Copper content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrophotometric method for the determination of copper content》 GB/T 223.53-1987 7		2024-06-21
		21	Nickel content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrophotometric method for the determination of nickel content》 GB/T 223.54-2022 7		2024-06-21
		22	phosphorus content	《Iron,steel and alloy-Determination of phosphorus content-Bismuth phosphomolybdate blue spectrophotometric method and antimony phosphomolybdate blue spectrophotometric method》 GB/T 223.59-2008 7		2024-06-21



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		№	Item/ Parameter			
		23	silicon content	《Methods for chemical analysis of iron,steel and alloy-The perchloric acid dehydration gravimetric method for the determination of silicon content》 GB/T 223.60-1997 7		2024-06-21
		24	Phosphorus content	《Methods for chemical analysis of iron,steel and alloy The butyl acetate extraction photometric method for the determination of phosphorus content》 GB/T 223.62-1988 7		2024-06-21
		25	Molybdenum content	《Methods for chemical analysis of iron,steel and alloy The sodium(potassium) periodate photometric method for the determination of manganese content》 GB/T 223.63-2022 7		2024-06-21
		26	Manganese content	《Iron,steel and alloy-Determination of manganese content-Flame atomic absorption absorption spectrometric method》 GB/T 223.64-2008 7		2024-06-21
		27	Cobalt content	《Steel, iron and alloy.Determination of cobalt content.Flame atomic absorption spectrometric method》 GB/T 223.65-2012 7		2024-06-21
		28	Iron content	《Iron,steel and alloy-Determination of iron contents-o-Phenanthroline spectrophotometric method》 GB/T 223.70-2008 7		2024-06-21
		29	Iron content	《Iron,steel and alloy-Determination of iron contents-Titanium trichloride-potassium dichromate titration method》 GB/T 223.73-2008 7		2024-06-21
		30	Calcium content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrometric method for the determination of calcium content》 GB/T 223.77-1994 7		2024-06-21
		31	high sulfur content	《Steel and iron-Determination of high sulfur content-Infrared absorption method after combustion in an induction furnace》 GB/T 223.83-2009 7		2024-06-21
		32	titanium content	《Steel and iron-Determination of titanium content-Diantipyrylmethane spectrophotometric method》 GB/T 223.84-		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				2009 7		
		33	total carbon content	《Steel and iron-Determination of total carbon content-Infrared absorption method after combustion in an induction furnace》 GB/T 223.86-2009 7		2024-06-21
		34	Hyden	《Steel and iron-Determination of hydrogen content-Inert gas impulse fusion heat conductivity method》 GB/T 223.82-2018 8		2024-06-21
		35	Molybdenum	《Flame atomic steel and alloy molybdenum content absorption spectrophotometry》 Q/WXT001-2014 7		2024-06-21
16	Ferrochromium and ferrosilicochromium	1	chromium	《Ferrochromium and ferrosilicochromium-Determination of chromium content-The ammonium persulfate oxidation titrimetric method and potentiometric titration method》 GB/T 4699.2-2008 7	Except for potentiometric titration	2024-06-21
17	Low-alloy steel	1	nickel	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		2	Phosphorus	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		3	chrome	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		4	molybdenum	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		5	copper	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	vanadium	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		7	cobalt	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		8	titanium	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		9	aluminum	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		10	manganese	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
		11	silicon	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2024-06-21
18	Low-alloy steel	1	silicon	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		2	manganese	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		3	Phosphorus	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	sulfur	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		5	chromium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		6	Nickel	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		7	Molybdenum	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		8	Copper	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		9	niobium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		10	Vanadium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		11	Titanaum	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
		12	tungsten	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Aluminium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2024-06-21
19	Stainless steel	1	Carbon	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		2	silicon	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		3	manganese	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		4	phosphorus	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		5	sulfur	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		6	chromium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		7	nickel	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		8	Molybdenum	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	aluminum	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		10	Copper	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		11	tungsten	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		12	Titanium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		13	niobium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		14	Vanadium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		15	cobalt	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		16	boron	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		17	arsenic	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Tin	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		19	lead	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2024-06-21
		20	phosphorus	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		21	copper	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		22	molybdenum	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		23	titanium	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		24	vanadium	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		25	cobalt	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		26	aluminum	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		27	manganese	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		28	nickel	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
		29	silicon	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2024-06-21
20	aluminium and aluminium alloys	1	mercury content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 1:Determination of mercury content GB/T 20975.1-2018 6		2024-06-21
		2	Copper content	《Methods for chemical analysis of aluminium and aluminium alloys - Part 3:Determination of copper content》 GB/T 20975.3-2020 6,15,24,32		2024-06-21
		3	Iron content	《Methods for chemical analysis of aluminium and aluminium alloys - Part 4: Determination of iron content - Orthopenanthroline photometric method》 GB/T 20975.4-2020 6		2024-06-21
		4	Silicon content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 5:Determination of silicon content》 GB/T 20975.5-2020 6		2024-06-21
		5	Cadmium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 6:Determination of cadmium content-Flame atomic absorption spectrometric method 》 GB/T 20975.6-2020 6		2024-06-21
		6	Manganese content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 7:Determination of manganese content-Potassium periodate spectrophotometric method》 GB/T 20975.7-2020 6		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Zinc content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 8:Determination fo zinc content 》 GB/T 20975.8-2020 6		2024-06-21
		8	Lithium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 9:Determination of lithium content-Flame atomic absorption spectrometric method》 GB/T 20975.9-2020 6		2024-06-21
		9	Tin content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 10:Determination of tin content》 GB/T 20975.10-2020 6		2024-06-21
		10	Lead content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 11:Determination of lead content》 GB/T 20975.11-2018 6		2024-06-21
		11	Titanium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 12:Determination of titanium content》 GB/T 20975.12-2020 6		2024-06-21
		12	Vanadium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 13:Determination of vanadium content-N-benzoyl-Nphenylhydroxylamine spectrophotometric method》 GB/T 20975.13-2020 6		2024-06-21
		13	Nickel content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 14:Determination of nickel content》 GB/T 20975.14-2020 6,15		2024-06-21
		14	Boron content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 15:Determination of boron content》 GB/T 20975.15-2020 6	Except for method 1	2024-06-21
		15	Magnesium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 16:Determination of magnesium》 GB/T 20975.16-2020 6		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Strontium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 17: Determination of strontium content-Flame atomic absorption spectrometric method》 GB/T 20975.17-2020 6		2024-06-21
		17	Chromium content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 18:Determination of chromium content》 GB/T 20975.18-2020 6		2024-06-21
		18	Zirconium content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 19:Determination of zirconium content》 GB/T 20975.19-2020 6		2024-06-21
		19	Gallium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 20:Determination of gallium content-Butyrdamine B spectrophotometric method》 GB/T 20975.20-2020 6		2024-06-21
		20	Calcium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 21:Determination of calcium content-Flame atomic absorption spectrometric method》 GB/T 20975.21-2020 6		2024-06-21
		21	Antimony content	《Methods for chemical analysis of aluminium and aluminium alloys - Part 23: Determination of antimony content Potassium iodide spectrophotometric method》 GB/T 20975.23-2020 6		2024-06-21
21	Aluminum and Aluminum alloys	1	iron	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		2	magnesium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		3	manganese	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	gallium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		5	titanium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		6	vanadium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		7	silicon	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		8	tin	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		9	bismuth	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		10	calcium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		11	chromium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		12	zinc	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	nickel	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		14	cadmium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		15	zirconium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		16	beryllium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		17	lead	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		18	boron	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		19	indium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		20	strontium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21
		21	antimony	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 6		2024-06-21



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		№	Item/ Parameter			
22	Zinc and zinc alloys	1	Aluminum content	《Methods for chemical analysis of zinc and zinc alloys-Part1: Determination of aluminum content-Chromazurol S-polyethylene glycol octyl phenylether-cetylpyridine bromine spectrophotometryGB/T 12689.1-2010》 GB/T 12689.1-2010 1.5,2.5,3.4		2024-06-21
		2	Arsenic content	《The methods for chemical analysis of zinc and zinc alloys-The determination of arsenic content-the atomic fluorescence spectrometer method》 GB/T 12689.2-2004 1.5,2.5,3.4		2024-06-21
		3	Cadmium content	《The methods for chemical analysis of zinc and zinc alloys-The determination of cadmium content-The flame atomic absorption spectrometric method》 GB/T 12689.3-2004 6		2024-06-21
		4	Copper content	《The methods for chemical analysis of zinc and zinc alloys-The determination of copper content-The lead diethyldithio-carbamate spectrophotometric method and the flame atomic absorption spectrometric method and electrolytic method》 GB/T 12689.4-2004 1.5,2.5,3.4		2024-06-21
		5	Iron content	《The methods for chemical analysis of zinc and zinc alloys-The determination of iron content-The sultosalicylic acid spectrometric method and the flame atomic absorption spectrometric method》 GB/T 12689.5-2004 6		2024-06-21
		6	Magnesium content	《The methods for chemical analysis of zinc and zinc alloys-Part7:Determination of magnesium content -Flame atomic absorption spectrometric method》 GB/T 12689.7-2010 6		2024-06-21
		7	Silicon content	《The methods for chemical analysis of zinc and zinc alloys-The determination of silicon content—The molybdenum blue spectrophotometric method》 GB/T 12689.8-2004 6		2024-06-21
		8	Antimony content	《The methods for chemical analysis of zinc and alloys-The determination of antimony content—The atomic fluorescence		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				spectrometer and the flame atomic absorption spectrometric method》 GB/T 12689. 9-2004 1.5,2.5		
		9	Tin content	《The methods for chemical analysis of zinc and alloys-The determination of tin content-The phenylfluorone -cetyltrimethylammonium bromide pectrophotometric method》 GB/T 12689.10-2004 6		2024-06-21
23	Lead and lead alloys	1	Aluminium content	《Methods for chemical analysis of lead and lead alloys-Part13:Determination of aluminium content》 GB/T 4103.13-2012 4.6		2024-06-21
24	Cast iron	1	Carbon	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		2	silicon	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		3	manganese	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		4	phosphorus	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		5	sulfur	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		6	chromium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21



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		№	Item/ Parameter			
		7	nickel	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		8	Molybdenum	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		9	aluminum	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		10	Copper	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		11	tungsten	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		12	Titanium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		13	niobium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		14	Vanadium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		15	boron	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	arsenic	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		17	tin	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		18	magnesium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		19	Lanthanum	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		20	Cerium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		21	Antimony	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		22	zinc	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
		23	Zirconium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2024-06-21
25	blister copper	1	Determination of copper content	《Methods for chemical analysis of blister copper.Part 1:Determination of copper content.Iodimetry》 YS/T 521.1-2009 5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
26	Anchor channel for overhead contact system in electrification railway	1	Appearance	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.1		2024-06-21
		2	size	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.1		2024-06-21
		3	Channel bearing capacity	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.5		2024-06-21
		4	Static load capacity of T bolt	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.6		2024-06-21
		5	Test on allowable sliding load of single bolt along the groove	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.8		2024-06-21
		6	Static bearing capacity and displacement test of precast concrete block	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.10		2024-06-21
27	Nickel alloy	1	manganese	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 16		2024-06-21
		2	silicon	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 50		2024-06-21
		3	phosphorus	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 28		2024-06-21
		4	chromium	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron,		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Nickel, and Cobalt Alloys》 ASTM E354-14 181		
		5	cobalt	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 58		2024-06-21
		6	Copper	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 97		2024-06-21
		7	nickel	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 140		2024-06-21
		8	Carbon	《Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Fusion Techniques》 ASTM E1019-18 18		2024-06-21
		9	sulfur	《Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Inert Gas Fusion Techniques》 ASTM E1019-18 29		2024-06-21
		10	Microstructure	《Standard Practice for Microetching Metals and Alloys》 ASTM E407-2007(2015)e1 7		2024-06-21
		11	tensile strength	《Standard Test Methods for Tension Testing of Metallic Materials》 ASTM E8/E8M-21 7	Accredited only for tension less than 1000KN, Method B	2024-06-21
		12	Specified plastic elongation strength	《Standard Test Methods for Tension Testing of Metallic Materials》 ASTM E8/E8M-21 7	Accredited only for	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					tension less than 1000KN, Method B	
		13	elongation	《Standard Test Methods for Tension Testing of Metallic Materials》ASTM E8/E8M-21 7		2024-06-21
		14	Dimensions and permissible variations	《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N07718)with Powder Bed Fusion》ASTM F3055-2014a 14		2024-06-21
				《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion》ASTM F3056-2014e1 14		2024-06-21
		15	product marking and packaging	《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N07718)with Powder Bed Fusion》ASTM F3055-2014a 19		2024-06-21
				《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion》ASTM F3056-2014e1 19		2024-06-21
28	Food contact materials and products	1	Arsenic	《National Food Safety Standards - Determination of Multielement Content and Multielement Migration in Food Contact Materials and Products》GB 31604.49-2023 19	Accredited only for method two in part two	2024-06-21
		2	Cadmium	《National Food Safety Standards - Determination of Multielement Content and Multielement Migration in Food Contact Materials and Products》GB 31604.49-2023 19	Accredited only for method two in part two	2024-06-21
		3	Chromium	《National Food Safety Standards - Determination of Multielement Content and Multielement Migration in Food Contact Materials and Products》GB 31604.49-2023 19	Accredited only for method two	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					in part two	
		4	Lead	《National Food Safety Standards - Determination of Multielement Content and Multielement Migration in Food Contact Materials and Products》 GB 31604.49-2023 19	Accredited only for method two in part two	2024-06-21
		5	Nickel	《National Food Safety Standards - Determination of Multielement Content and Multielement Migration in Food Contact Materials and Products》 GB 31604.49-2023 19	Accredited only for method two in part two	2024-06-21
		6	Antimony	《National Food Safety Standards - Determination of Multielement Content and Multielement Migration in Food Contact Materials and Products》 GB 31604.49-2023 19	Accredited only for method two in part two	2024-06-21
		7	Zinc	《National Food Safety Standards - Determination of Multielement Content and Multielement Migration in Food Contact Materials and Products》 GB 31604.49-2023 19	Accredited only for method two in part two	2024-06-21
29	High polymer materials and parts	1	Apparent density	《Plastics.Determination of apparent density material that can be poured from a specified funnel》 GB/T 1636-2008		2024-06-21
				《Plastics-PVC resins.Determination of compacted apparent bulk density》 GB/T 23652-2009		2024-06-21
		2	Fluidity	《Plastics.Determination of pourability》 GB/T 21060-2007		2024-06-21
		3	Angle of repose	《Surface active agents--Powders and granules--Mesurement of the angle of repose》 GB/T 11986-1989		2024-06-21
		4	Hardness	《Plastics.Determination of hardness.Part 1:Ball indentation method》 GB/T 3398.1-2008		2024-06-21
		5	Compression performance	《Plastics.Determination of compressive properties》 GB/T		2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				1041-2008		
		6	Shear strength	《Rigid cellular plastics.Determination of shear strength》 GB/T 10007-2008		2024-06-21
				《Fibre-reinforced plastic composites-Determination of interlaminar shear strength》 GB/T 1450.1-2005		2024-06-21
		7	Deflection temperature under load	《Plastics-Determination of temperature of deflection under load-Part 1: General test method》《Plastics-Determination of temperature of deflection under load-Part 2:Plastics,ebonite and long-fibre-reinforced composites》 GB/T 1634.1-2019GB/T 1634.2-2019		2024-06-21
				《Plastics-Determination of temperature of deflection under load-Part 3:High-strength thermosetting laminates》 GB/T 1634.3-2004 8		2024-06-21
		8	Viscosity	《Test methods for unsaturated polyester resins》 GB/T 7193-2008 4.1	Accredited only for viscosity	2024-06-21
		9	Nonvolatile matter	《Paints, varnishes and plastics.Determination of non-volatile-matter content》 GB/T 1725-2007 6		2024-06-21
		10	Determination of surface tension	《Surface active agents.Determination of surface tension》 GB/T 22237-2008 7		2024-06-21
		11	Determining the Izod Pendulum Impact Resistance	《Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics》 ASTM D256-2010 10,16,22,29		2024-06-21
		12	Determination of indentation hardness by means of a durometer(shore hardness)	《Standard Test Method for Rubber Property-Durometer Hardness》 ASTM D2240-2015e1 9	Accredited only for hardness A and D	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	tensile strength	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2024-06-21
		14	Percentage elongation	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2024-06-21
		15	Modulus of elasticity	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2024-06-21
		16	Secant modulus	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2024-06-21
		17	Poisson ratio	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2024-06-21
30	plastic wire	1	Appearance	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.1.1		2024-06-21
		2	size	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.1.2.2		2024-06-21
		3	Melt and swell ratio	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.6.3		2024-06-21
		4	Contractility performance	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.7.3		2024-06-21
		5	volatile matter(including water)	《Plastics. Homopolymer and copolymer resins of vinyl chloride. Determination of volatile matter(including water)》 GB/T 2914-2008 4		2024-06-21
31	ceramics materials and parts	1	hardness	《Fine ceramics(advanced ceramics,advanced technical ceramics).Test method for hardness of monolithic ceramics at room temperature》 GB/T 16534-2009 4.6,5.6		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Tensile Strength	《Fine ceramics(advanced ceramics,advanced technical ceramics).Test method for tensile strength of monolithic ceramics at room temperature》 GB/T 23805-2009 7		2024-06-21
		3	Compressive strength	《Test method for compressive strength of fine ceramics (advanced ceramics,advanced technical ceramics)》 GB/T 8489-2006 6		2024-06-21
		4	Bending strength	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural strength of monolithic ceramics at room temperature》 GB/T 6569-2006 7		2024-06-21
		5	Tap density	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of bulk density of ceramic powders - Part 1: Tap density》 ISO 23145-1-2007 6		2024-06-21
		6	Untapped density	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of bulk density of ceramic powders - Part 2: Untapped density》 ISO 23145-2-2012 6		2024-06-21
32	ceramics materials and parts	1	absolute density	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of absolute density of ceramic powders by pycnometer》 ISO 18753-2017 6		2024-06-21
33	biomedical materials	1	Impurity element (Ti、Ca、Al	《Implants for surgery-Ultra-high molecular weight polyethylene part 1:Powder form》 GB/T 19701.1-2016 8.4		2024-06-21
		2	particle matter	《Implants for surgery-Ultra-high molecular weight polyethylene part 1:Powder form》 GB/T 19701.1-2016 8.5		2024-06-21
34	Non-metallic materials and parts	1	Arsenic	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2024-06-21
		2	Chromium	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2024-06-21
		3	Cadmium	《Chemical reagent-General rules for inductively coupled plasma		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				atomic emission spectrometry》 GB/T 23942-2009 7		
		4	Nickel	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2024-06-21
		5	Lead	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2024-06-21
		6	Antimony	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2024-06-21
		7	Zinc	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2024-06-21
		8	partial acid value	《Plastic-Polyester resin-Determination of partial acid value and total acid value》 GB/T 2895-2008 7		2024-06-21
		9	total acid value	《Plastic-Polyester resin-Determination of partial acid value and total acid value》 GB/T 2895-2008 7		2024-06-21
35	Titanium	1	Carbon	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2024-06-21
		2	Oxygen	《Standard Test Method for Detemination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E 1409-08 13		2024-06-21
		3	Nitrogen	《Standard Test Method for Detemination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E1409-08 13		2024-06-21
		4	Hydrogen	《Standard Test Method for Detemination of Hydrogen in Titanium and Titanium Alloys by Inert Gas Fusion Thermal Conductivity/Infrared Detection Method》 ASTM E1447-09 12		2024-06-21
		5	Aluminium	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	vanadium	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2024-06-21
		7	Iron	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2024-06-21
		8	tensile strength	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		2024-06-21
		9	Proof strength	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		2024-06-21
		10	Elongation	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		2024-06-21
		11	rate of reduction in area	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		2024-06-21
36	Titanium		Partial parameters	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14	Accredited only for C、O、N、H、Al、V、Fe、 tensile strength, specified plastic stretching strength, elongation rate, cross sectional shrinkage	2024-06-21



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		№	Item/ Parameter			
37	plastic wire		All parameters	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016		2024-06-21
38	Cast cobalt chromium molybdenum alloys for surgical implants		All parameters	《Casting co-cr-mo alloy for surgical implants GB 4234.4-2019		2024-06-21
39	Buried channel in tunnel of electrified railway contact net		Partial parameters	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013	Accredited only for appearance, size, bearing capacity, T bolt static bearing capacity, the axial sliding load test, static bearing capacity and displacement test of the precast concrete block	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
40	Nickel alloy (UNS N07718)		Partial parameters	《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N07718)with Powder Bed Fusion》 ASTM F3055-2014a	Accredited only for Mn, Si, P, Cr, Co, Cu, Ni, C, S, microstructure, tensile strength, specified plastic elongation strength, elongation, dimensions and permissible variations, product marking and packaging	2024-06-21
41	Nickel alloy (UNS N06625)			《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion》 ASTM F3056-2014e1	Accredited only for Mn, Si, P, Cr, Co, C, S, microstructure, tensile strength, specified plastic	2024-06-21



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					elongation strength, elongation, dimensions and permissible variations, product marking and packaging	
42	Metallic materials and parts	1	Brinell hardness	《Metallic materials.Brinell hardness test.Part 1:Test method》 GB/T 231.1-2018 7		2024-06-21
		2	Rockwell hardness	《Metallic materials.Rockwell hardness test.Part 1:Test method》 GB/T 230.1-2018 7	Accredited only for HRA、HRB、HRC	2024-06-21
		3	macrostructure	《Inspection method for structure of wrought aluminum and aluminum alloy products - Part 2: Inspection method for macrostructure》 GB/T 3246.2-2012 4,5		2024-06-21
		4	macrostructure	《Test method for superalloys - Part 1: Verification of longitudinal macro-structures and defect by etch》 GB/T 14999.1-2012 5	Accredited only for intercept method and comparison method	2024-06-21
		5	macrostructure	《Metallograph of cast aluminium alloys - Part 3: Cast aluminium alloys Pinhole》 JB/T 7946.3-2017 5		2024-06-21



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		6	microstructure	《Inspection method for structure of wrought aluminum and aluminum alloy products Part 1 : Inspection method for microstructure》 GB/T 3246.1-2012 6,7	Accredited only for intercept method and comparison method	2024-06-21
		7	Microstructure and macrostructure	《Microstructure and macrostructure examination for α - β titanium alloys》 GB/T 5168-2020 2,3		2024-06-21
43	Hot-rolled steel bars	1	size	《Hot-rolled steel bars-Dimensions, shape, weight and tolerances》 GB/T 702-2017 3		2024-06-21
		2	weight	《Hot-rolled steel bars-Dimensions, shape, weight and tolerances》 GB/T 702-2017 3		2024-06-21
44	Metallic coatings	1	Cross-cut test	《Metallic coatings on metallic substrates-Electrodeposited and chemically deposited coatings-Review of methods available for testing adhesion》 GB/T 5270-2005 2.8		2024-06-21
45	Iron, steel and alloy	1	Hydren	《Steel and iron—Determination of hydrogen content—Thermal conductivity/infrared method after fusion under inert gas》 GB/T 223.82-2018 8	Only with infrared method.	2024-06-21
46	aluminium and aluminium alloys	1	Lead content	《Methods for chemical analysis of aluminium and aluminium alloys--Part 11:Determination of lead content--Flame atomic absorption spectrometric method》 GB/T 20975.11-2018 2	Only with method 1.	2024-06-21
		2	mercury content	《Chemical analysis methods of aluminium and aluminium alloys--Part 1:Determination of mercury content--Cold atomic absorption spectrometric method》 GB/T 20975.1-2018 6		2024-06-21
47	Lead and lead alloys	1	Cadmium	《Methods for chemical analysis of lead and lead alloys.Part 14:Determination of cadmium content. Flame atomic absorption spectrophotometry》 GB/T 4103.14-2009 5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Nickel	《Methods for chemical analysis of lead and alloys.Part 15:Determination of nickel content.Flame atomic absorption spectrophotometry》 GB/T 4103.15-2009 5		2024-06-21
48	Titanium and Titanium Alloys	1	Copper	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 1:Determination of copper content--Flame atomic absorption spectrometry》 GB/T 4698.1-2017 6		2024-06-21
		2	Silicon	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 3:Determination of silicon content--Molybdenum blue spectrometry》 GB/T 4698.3-2017 6		2024-06-21
		3	Manganese	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 4:Determination of manganese content--Potassiumperiodate spectrophotometry and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.4-2017 6		2024-06-21
		4	Molybdenum	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 5:Determination of molybdenum content--Thiocyanate spectrophotometry and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.5-2017 6		2024-06-21
		5	Aluminum	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 8:Determination of aluminum content--Seperation with hydroxide-EDTA complex-metric titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.8-2017 6		2024-06-21
		6	Tin	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 9:Determination of tin content--Potassium iodate titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.9-2017 6	Except for potassium iodate titration method.	2024-06-21



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		7	Vanadium	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 12:Determination of vanadium content--Ammonium ferrous sulfate titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.12-2017 6		2024-06-21
		8	Zirconium	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 13:Determination of zirconium content--EDTA complexometric titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.13-2017 6		2024-06-21
		9	Tin	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 18:Determination of tin content--Flame atomic absorption spectrometry》 GB/T 4698.18-2017 6		2024-06-21
		10	Niobium	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 22:Determination of niobium content--5-Br-PADAP spectrophotometry and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.22-2017 6	Except for 5- br-padap spectrophotometry method.	2024-06-21
		11	Neodymium	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 27:Determination of neodymium content--Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.27-2017 6		2024-06-21
		12	Ruthenium	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys--Part 28:Determination of ruthenium content--Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.28-2017 6		2024-06-21
49	Nickel alloy	1	Iron	《The methods for chemical analysis of nickel. Determination of iron content. Sulfosalicylic acid spectrophotometric method》 GB/T 8647.1-2006 5		2024-06-21



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		2	Phosphorous	《The methods for chemical analysis of nickel. Determination of phosphorous content. Molybdenum blue spectrophotometric method》 GB/T 8647.4-2006 5		2024-06-21
		3	Magnesium	《The methods for chemical analysis of nickel. Determination of magnesium content. Flame atomic absorption spectrometric method》 GB/T 8647.5-2006 5		2024-06-21
		4	Cadmium cobalt copper manganese lead zinc	《The methods for chemical analysis of nickel Determination of cadmium cobalt copper manganese lead and zinc contentsFlame atomic absorption spectrometric method》 GB/T 8647.6-2006 5		2024-06-21
		5	Sulphur	《The methods for chemical analysis of nickel. Determination of sulphur content. Infra-red absorption method after high frequency induction furnace combustion》 GB/T 8647.8-2006 5		2024-06-21
		6	Carbon	《The methods for chemical analysis of nickel. Determination of carbon content. Infra-red absorption method after high frequency induction furnace combustion》 GB/T 8647.9-2006 5		2024-06-21
50	Implants for surgery stainless steel			《Implants for surgery-Metallic materials-Part 1:Wrought stainless steel》 GB 4234.1-2017 6	Except for carbon、 silicon、 manganese 、 phousphorus、 sulphur、 grainsize	2024-06-21
51	Plastics and composite materials	1	Tensile stress	《Plastics--Determination of tensile properties--Part 1:General principles》 GB/T 1040.1-2018		2024-06-21



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				《Plastics-Determination of tensile properties- Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2024-06-21
		2	Tensile strain	《Plastics--Determination of tensile properties--Part 1:General principles》 GB/T 1040.1-2018 《Plastics-Determination of tensile properties-Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2024-06-21
		3	Tensile modulus	《Plastics--Determination of tensile properties--Part 1:General principles》 GB/T 1040.1-2018 《Plastics-Determination of tensile properties-Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2024-06-21
		4	Poisson ratio	《Plastics--Determination of tensile properties--Part 1:General principles》 GB/T 1040.1-2018 《Plastics-Determination of tensile properties-Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2024-06-21
52	Plastic wire		All parameters	《Additive manufacturing-Plastic filament extrusion》 T/CAMMT 22-2019		2024-06-21
53	Metallic materials and parts	1	microstructure and macrostructure	《Microstructure and macrostructure examination for titanium and titanium alloys》 GB/T 5168-2020 6		2024-06-21
		2	Vibration density	《Metallic powders-Determination of tap density》 GB/T 5162-2021 6		2024-06-21
		3	microstructure and macrostructure	《Destructive tests on welds in metallic materials -- Macroscopic and microscopic examination of welds》 ISO 17639-2003 8		2024-06-21
		4	microstructure and macrostructure	《Destructive tests on welds in metallic materials - Macroscopic		2024-06-21



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				and microscopic examination of welds》 GB/T 26955-2011 8		
		5	Hydrogen, oxygen, nitrogen, carbon, sulfur	《General rule of chemical analysis for hydrogen,oxygen,nitrogen,carbon and sulfur in metallic materials》 GB/T 14265-2017 5.1		2024-06-21
		6	Apparent Density	《Standard Test Method for Apparent Density of Non-Free-Flowing Metal Powders Using the Carney Funnel》 ASTM B417-2018 8		2024-06-21
		7	Banded structure	《Determination of banded structure of steel-Part 1:Micrographic method using standards diagrams》 GB/T 34474.1-2017 7		2024-06-21
		8	Metellographic structure	《Metellographic grading atlas and assessing method for steel die forgings》 GB/T 13320-2007 6		2024-06-21
54	aluminium andaluminiuma lloys	1	copper	《Methods for chemical analysis of aluminium and aluminium alloys—Part 3: Determination of copper content》 GB/T 20975.3-2020 5.1		2024-06-21
		2	iron	《Methods for chemical analysis of aluminium and aluminium alloys—Part 4:Determination of iron content》 GB/T 20975.4-2020 5.1		2024-06-21
		3	silicon	《Methods for chemical analysis of aluminium and aluminium alloys—Part 5: Determination of silicon content》 GB/T 20975.5-2020 5.1		2024-06-21
		4	cadmium	《Methods for chemical analysis of aluminium and aluminium alloys-Part 6:Determination of cadmium content》 GB/T 20975.6-2020 5.1		2024-06-21
		5	manganese	《Methods for chemical analysis of aluminium and aluminium alloys—Part 7:Determination of manganese content》 GB/T 20975.7-2020 5.1		2024-06-21



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		6	zinc	《Methods for chemical analysis of aluminium and aluminium alloys-Part 8:Determination of zinc content》 GB/T 20975.8-2020 5.1		2024-06-21
		7	lithium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 9:Determination of lithium content—Flame atomic absorption spectrometry》 GB/T 20975.9-2020 5.1		2024-06-21
		8	tin	《Methods for chemical analysis of aluminium and aluminium alloys—Part 10: Determination of tin content》 GB/T 20975.10-2020 5.1		2024-06-21
		9	lead	《Methods for chemical analysis of aluminium and aluminium alloys—Part 11: Determination of lead content》 GB/T 20975.11-2018 5.1		2024-06-21
		10	titanium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 12: Determination of titanium content》 GB/T 20975.12-2020 5.1		2024-06-21
		11	vanadium	《Methods for chemical analysis of aluminium and aluminium alloys. Part 13:Determination of vanadium content》 GB/T 20975.13-2020 5.1		2024-06-21
		12	nickel	《Methods for chemical analysis of aluminium and aluminium alloys—Part 14: Determination of nickel content》 GB/T 20975.14-2020 5.1		2024-06-21
		13	magnesium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 16: Determination of magnesium content》 GB/T 20975.16-2020 5.1		2024-06-21
		14	strontium	《Methods for chemical analysis of aluminium and aluminium alloys-Part 17:Determination of strontium content》 GB/T 20975.17-2020 5.1		2024-06-21



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		15	chromium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 18:Determination of chromium content》 GB/T 20975.18-2020 5.1		2024-06-21
		16	zirconium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 19:Determination of zirconium content》 GB/T 20975.19-2020 5.1		2024-06-21
		17	ometric	《Methods for chemical analysis of aluminium and aluminium alloys—Part 20: Determination of gallium content—Butyrdamine B spectrophotometric method》 GB/T 20975.20-2020 5.1		2024-06-21
		18	calcium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 21:Determination of calcium content》 GB/T 20975.21-2020 5.1		2024-06-21
		19	antimony	《Methods for chemical analysis of aluminium and aluminium alloys—Part 23:Determination of antimony content》 GB/T 20975.23-2020 5.1		2024-06-21
		20	Silicon	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 5.1		2024-06-21
		21	iron	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 5.1		2024-06-21
		22	copper	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》 GB/T 20975.25-2020 5.1		2024-06-21



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		23	gallium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		24	magnesium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		25	manganese	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		26	chromium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		27	nickel	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		28	zinc	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		29	titanium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21



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		30	silver	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		31	Boron	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		32	bismuth	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		33	lithium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		34	lead	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		35	tin	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		36	vanadium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21



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		37	zirconium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		38	Barium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		39	beryllium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		40	calcium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		41	cadmium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		42	cobalt	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		43	Erbium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21



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		44	Hafnium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		45	indium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		46	potassium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		47	sodium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		48	molybdenum	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		49	neodymium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		50	phosphorus	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21



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		51	antimony	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		52	scandium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		53	strontium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		54	tungsten	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		55	yttrium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		56	ytterbium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21
		57	niobium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 25: Determination of elements content—Inductively coupled plasma atomic emission spectrometric method》GB/T 20975.25-2020 5.1		2024-06-21



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		58	total rare earth	《Methods for chemical analysis of aluminium and aluminium alloys—Part 24: Determination of total rare earth content》 GB/T 20975.24-2020 5.1		2024-06-21
		59	carbon	《Methods for chemical analysis of aluminium and aluminium alloys - Part 26: Determination of carbon content infrared absorption method》 GB/T 20975.26-2013 5.1		2024-06-21
		60	cerium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 27: Determination of cerium,lanthanum,scandium—Inductively coupled plasma atomic emission spectrometry method》 GB/T 20975.27-2018 5.1		2024-06-21
		61	Lanthanum	《Methods for chemical analysis of aluminium and aluminium alloys—Part 27: Determination of cerium,lanthanum,scandium—Inductively coupled plasma atomic emission spectrometry method》 GB/T 20975.27-2018 5.1		2024-06-21
		62	scandium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 27: Determination of cerium,lanthanum,scandium—Inductively coupled plasma atomic emission spectrometry method》 GB/T 20975.27-2018 5.1		2024-06-21
		63	cobalt	《Methods for chemical analysis of aluminium and aluminium alloys-Part 28:Determination of cobalt content-Flame atomic absorption spectrometry》 GB/T 20975.28-2019 5.1		2024-06-21
		64	molybdenm	《Methods for chemical analysis of aluminium and aluminium alloys-Part 29:Determination of molybdenum content-Thiocyanate spectrophotometry》 GB/T 20975.29-2019 5.1		2024-06-21
		65	hydrogen	《Methods for chemical analysis of aluminium and aluminium alloys-Part 30:Determination of hydrogen content-Heating extraction-thermal conductivity method》 GB/T 20975.30-2019 5.1		2024-06-21



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		66	phosphorus	《Methods for chemical analysis of aluminium and aluminium alloys-Part 31:Determination of phosphorus content-Molybdenum blue spectrophotometry》 GB/T 20975.31-2019 5.1		2024-06-21
		67	bismuth	《Methods for chemical analysis of aluminium and aluminium alloys-Part 32:Determination of bismuth content》 GB/T 20975.32-2020 5.1		2024-06-21
		68	potassium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 33: Determination of potassium content—Flame atomic absorption spectrometric method》 GB/T 20975.33-2020 5.1		2024-06-21
		69	sodium	《Methods for chemical analysis of aluminium and aluminium alloys—Part 34: Determination of sodium content—Flame atomic absorption spectrometric method》 GB/T 20975.34-2020 5.1		2024-06-21
		70	tungsten	《Methods for chemical analysis of aluminium and aluminium alloys—Part 35:Determination of tungsten content—Thiocyanate spectrophotometric method》 GB/T 20975.35-2020 5.1		2024-06-21
		71	silver	《Methods for chemical analysis of aluminium and aluminium alloys—Part 36:Determination of silver content—Flame atomic absorption spectrometry》 GB/T 20975.36-2020 5.1		2024-06-21
		72	niobium	《Methods for chemical analysis of aluminium and aluminium alloys-Part 37:Determination of niobium content》 GB/T 20975.37-2020 5.1		2024-06-21
		73	oxygen	《Additive manufacturing, aluminium and aluminium alloy powders and parts, methods for oxygen content analysis》 Q/CAMT 004-2020 5.1		2024-06-21



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55	TitaniumAlloys	1	Aluminum	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		2	tin	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		3	zirconium	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		4	Molybdenum	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		5	carbon	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		6	silicon	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		7	vanadium	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		8	cadmium	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		9	nickel	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21



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		10	iron	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		11	copper	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		12	niobium	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		13	tungsten	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		14	oxygen	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		15	cobalt	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		16	hydrogen	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
		17	yttrium	《Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 007-2020 5.1		2024-06-21
56	Nickel alloy	1	carbon	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21



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		2	silicon	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		3	manganese	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		4	phosphorus	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		5	sulfur	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		6	chromium	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		7	copper	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		8	Molybdenum	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		9	cobalt	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		10	aluminum	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	iron	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		12	titanium	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		13	Boron	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		14	niobium	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		15	vanadium	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		16	zirconium	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		17	tin	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		18	tantalum	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		19	tungsten	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		20	nitrogen	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		21	magnesium	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		22	lead	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
		23	Zinc	《Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method)》 GB/T 38939-2020 5.1		2024-06-21
57	Cobalt Alloys	1	carbon	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		2	silicon	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		3	manganese	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		4	sulfur	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		5	phosphorus	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	chromium	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		7	nickel	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		8	Molybdenum	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		9	iron	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		10	tungsten	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		11	vanadium	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		12	aluminum	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		13	copper	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		14	niobium	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		15	tin	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		16	tantalum	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		17	titanium	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		18	Boron	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		19	lead	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		20	Nitrogen	《Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method》 Q/CAMT 003-2020 5.1		2024-06-21
		21	Hydrogen	《Methods for chemical analysis of titanium sponge,titanium and titanium alloys - Determination of hydrogen content》 GB/T 4698.15-2011 5.1		2024-06-21
58	High polymer materials and parts	1	Polycyclic aromatic hydrocarbon	《Thermoplastic elastomer - Determination of polycyclic aromatic hydrocarbons - Gas chromatography-mass spectrometry》 GB/T 29616-2013 5.1		2024-06-21
59	Iron, steel and alloy	1	Hydrogen	《Steel and iron—Determination of hydrogen content—Thermal conductivity/infrared method after fusion under inert gas 》 GB/T 223.82-2018 6		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
60	Wrought titanium and titanium dental implant		Partial parameters	《Wrought titanium and titanium dental implant》 YY 0315-2016	Accredited only for the size, appearance, microstructure, roughness and fit clearance shall	2024-06-21
61	Plasma sprayed hydroxyapatite coated-titanium dental implant		Partial parameters	《Plasma sprayed hydroxyapatite coated-titanium dental implant》 YY 0304-2009	Accredited only for Appearance, size, microstructure	2024-06-21
62	Titanium and titanium alloy dental implant attachments		Partial parameters	《Titanium and titanium alloy dental implant attachments》 YY/T 0520-2009	Accredited only for Appearance, size, microstructure, Roughness	2024-06-21
63	Dentistry — Wires for use in orthodontics		Partial parameters	《Dentistry — Wires for use in orthodontics》 YY/T 0625-2016	Accredited only for Size, harmful elements	2024-06-21
64	steel for reinforcement		Partial parameters	《Test methods of steel for reinforcement of concrete》 GB/T 28900-2022	Except for Included	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	of concrete				angle between transverse rib and axis, oblique angle of transverse rib, top width of transverse rib, relative rib area, reverse bending	
65	Metallic materials and parts	1	Element content	《Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry》 ASTM E415-2021 4		2024-06-21
66	Metallic materials	1	Skeleton density	《Determination of density by volumetric displacement:Skeleton density by gas pycnometry》 GB/T 40401-2021 6		2024-06-21
67	Metallic powder	1	sphericity ratio	《Measuring method for sphericity ratio of titanium and titanium alloy powders》 YS/T 1297-2019 8.2	Only Use SEM Method	2024-06-21
68	Plastic	1	Element content	《Standard Practice for Acid-Extraction of Elements from Sediments Using Closed Vessel Microwave Heating》 ASTM D5258-2022 11	Only test Al、As、B、Ba、Be、Bi、Cd、Co、Cr、Cu、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Fe、Ga、 Li、Mg、 Mn、Ni、 Pb、Sb、 Sn、Sr、 Ti、Tl、 V、Zn	
		2	resin content	《Test method for resin content of glass fiber reinforced plastics》 GB/T 2577-2005 7		2024-06-21
		3	moisture content	《Test methods for water absorption of fiber reinforced plastics》 GB/T 1462-2005 6		2024-06-21
69	fasteners Bolts, screws and studs			《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010		2024-06-21
70	Metallic materials	1	ring- expanding test	《Metallic materials Tube Ring-expanding test》 GB/T 25047-2016 6		2024-06-21
		2	ring-tensile test	《Metallic materials Tube Ring-tensile test》 GB/T 25048-2019 5		2024-06-21
71	magnesium and magnesium alloys	1	Mn	《Chemical analysis methods of magnesium and magnesium alloys.Part 4:Determination of manganese content.Periodate spectrophotometric method》 GB/T 13748.4-2013 3.4		2024-06-21
		2	Ag	《Chemical analysis methods of magnesium and magnesium alloys.Determination of silver content.Flame atomic absorption spectrophotometric method》 GB/T 13748.6-2005 6.4		2024-06-21
		3	Si	《Chemical analysis methods of magnesium and magnesium alloys.Part 10:Determination of silicon content.Molybdenum blue spectrophotometric method》 GB/T 13748.10-2013 6.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Pb	《Chemical analysis methods of magnesium and magnesium alloys.Determination of lead content.Flame atomic absorption spectrophotometric method》 GB/T 13748.13-2005 3.4		2024-06-21
		5	Zn	《Chemical analysis methods of magnesium and magnesium alloys.Part15:Determination of zinc content》 GB/T 13748.15-2013 3.4		2024-06-21
		6	Ca	《Chemical analysis methods of magnesium and magnesium alloys.Determination of calcium content.Flame atomic absorption spectrometric method》 GB/T 13748.16-2005 6.4		2024-06-21
		7	K	《Chemical analysis methods of magnesium and magnesium alloys.Determination of kalium content and natrium content.Flame atomic absorption spectrophotometric method》 GB/T 13748.17-2005 6.4		2024-06-21
		8	Na	《Chemical analysis methods of magnesium and magnesium alloys.Determination of kalium content and natrium content.Flame atomic absorption spectrophotometric method》 GB/T 13748.17-2005 6.4		2024-06-21
		9	Cl	《Chemical analysis methods of magnesium and magnesium alloys.Determination of chlorine content.Silver chlorine turbidimetric method》 GB/T 13748.18-2005 6.4		2024-06-21
		10	Fe	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		11	Cu	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Mn	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		13	Ti	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		14	Zn	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		15	Y	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		16	Nd	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		17	Sr	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		18	Ni	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		19	Zr	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		20	Be	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		21	Pb	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		22	Ca	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		23	Al	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
		24	Ce	《Chemical analysis methods of magnesium and magnesium alloys.Part 20:Determination of elements by inductively coupled plasma atomic emission spectrometry》 GB/T 13748.20-2009 6.5		2024-06-21
72	iron,steel and alloy	1	total rare	《Methods for chemical analysis of iron,steel and alloy. Extraction separation-chlorophosphonazo mA spectrophotometric method for the determination of the total rare tarth content》 GB/T 223.49-1994 4.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
73	automobiles materials	1	mercury	《Test methods of mercury in automobiles materials》 QC/T 941-2013 3.5,4.4,4.5.4.3		2024-06-21
		2	hexavalent chromium	《Test methods of hexavalent chromium in automotive materials》 QC/T 942-2021 4.5.5.5,6.5.7.5		2024-06-21
		3	Pb	《Test methods of lead and cadmium in automobiles materials》 QC/T 943-2013 3.5		2024-06-21
		4	Cd	《Test methods of lead and cadmium in automobiles materials》 QC/T 943-2013 5.5		2024-06-21
		5	polybrominated biphenyls and polybrominated diphenyl ethers	《The methods of polybrominated biphenyls and polybrominated diphenyl ethers in automotive materials》 QC/T 944-2013 3.5,4.5		2024-06-21
74	Metal powders	1	Inclusion ratio of metal powders	《Additive manufacturing — Methods to characterize performance of metal powders》 GB/T 39251-2020 5.7.4		2024-06-21
		2	Hollow particle ratio of metal powders	《Additive manufacturing — Methods to characterize performance of metal powders》 GB/T 39251-2020 5.8.2		2024-06-21
		3	Hollow particle ratio of metal powders	《Additive manufacturing — Test method for hollow particle ratio of metal powders》 GB/T 41978-2022 6.1 6.2		2024-06-21
75	Fibre-reinforced plastic composites	1	compressive properties in the in-plane direction	《Fibre-reinforced plastic composites.Determination of compressive properties in the in-plane direction》 GB/T 5258-2008 8		2024-12-10
76	Fibre-reinforced plastic composites	1	modulus of elasticity in compressive after impact	《Test method for compression after impact properties of fiber reinforced plastic laminates》 GB/T 21239-2022 8		2024-12-10
77	polymer matrix	1	Short-beam shear	《Test method for short-beam shear strength of polymer matrix	Except for	2024-12-10

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	composite materials		strength	composite materials》 GB/T 30969-2014 8	curved plate specimen	
78	polymer matrix composite materials	1	Test method for in-plane shear response	《Test method for in-plane shear response of polymer matrix composite materials》 GB/T 3355-2014 8		2024-12-10
79	polymer matrix composite materials	1	Tensile Strength	《Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials》 ASTM D3039 /D3039M-2017		2025-06-10
		2	Ultimate Tensile Strain	《Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials》 ASTM D3039 /D3039M-2017		2025-06-10
		3	Tensile Modulus of Elasticity	《Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials》 ASTM D3039 /D3039M-2017		2025-06-10
		4	Poisson's Ratio	《Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials》 ASTM D3039 /D3039M-2017		2025-06-10
		5	Compressive Strength	《Standard Test Method for Determining the Compressive Properties of Polymer Matrix Composite Laminates Using a Combined Loading Compression (CLC) Test Fixture》 ASTM D6641/D6641M-2023		2025-06-10
		6	Compressive Modulus	《Standard Test Method for Determining the Compressive Properties of Polymer Matrix Composite Laminates Using a Combined Loading Compression (CLC) Test Fixture》 ASTM D6641/D6641M-2023		2025-06-10
		7	Compressive Poisson's Ratio	《Standard Test Method for Determining the Compressive Properties of Polymer Matrix Composite Laminates Using a Combined Loading Compression (CLC) Test Fixture》 ASTM D6641/D6641M-2023		2025-06-10
		8	Maximum Shear Stress	《Standard Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of $\pm 45^\circ$ Laminate》		2025-06-10



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				ASTM D3518/D3518M-2018		
		9	Maximum Shear Strain	《Standard Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of a±45° Laminate》 ASTM D3518/D3518M-2018		2025-06-10
		10	Shear Modulus of Elasticity	《Standard Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of a±45° Laminate》 ASTM D3518/D3518M-2018		2025-06-10
		11	Offset Shear Strength	《Standard Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of a±45° Laminate》 ASTM D3518/D3518M-2018		2025-06-10
		12	Short-Beam Strength	《Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates》 ASTM D2344/D2344M-2022		2025-06-10
		13	Flexural Strength	《Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials》 ASTM D790-2017		2025-06-10
		14	Modulus of Elasticity	《Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials》 ASTM D790-2017		2025-06-10
		15	Maximum Flexural Strain	《Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials》 ASTM D790-2017		2025-06-10
		16	Ultimate open-hole tensile strength	《Standard Test Method for Open-Hole Tensile Strength of Polymer Matrix Composite Laminates》 ASTM D5766/D5766M-2023		2025-06-10
		17	Ultimate open-hole compressive	《Standard Test Method for Open-Hole Compressive Strength of Polymer Matrix Composite Laminates》 ASTM		2025-06-10



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		№	Item/ Parameter			
			strength	D6484/D6484M-2023		
		18	ultimate compressive residual strength	《Standard Test Method for Measuring the Damage Resistance of a Fiber-ReinforcedPolymer Matrix Composite to a Drop-Weight Impact Event》 ASTM D7136/D7136M-2020		2025-06-10
				《Standard Test Method for Compressive Residual Strength Properties of DamagedPolymer Matrix Composite Plates》 ASTM D7137/D7137M-2023		2025-06-10
		19	effective compressive modulus	《Standard Test Method for Measuring the Damage Resistance of a Fiber-ReinforcedPolymer Matrix Composite to a Drop-Weight Impact Event》 ASTM D7136/D7136M-2020		2025-06-10
				《Standard Test Method for Compressive Residual Strength Properties of DamagedPolymer Matrix Composite Plates》 ASTM D7137/D7137M-2023		2025-06-10
(7)、Additive manufacturing machine						
1	Rapid Prototyping Machine	1	Guard quality	《Rapid prototyping machines.Technical requirements for safeguarding》 GB 26503-2011 5.3.2		2024-06-21
		2	Open impetus	《Rapid prototyping machines.Technical requirements for safeguarding》 GB 26503-2011 5.3.2		2024-06-21
		3	Installation height	《Rapid prototyping machines.Technical requirements for safeguarding》 GB 26503-2011 5.3.2		2024-06-21
		4	Noise	《Metal-cutting machine tools.Measurement method of sound pressure level》 GB/T 16769-2008 6	Only for Noise testing of GB 26503-2011、GB 20775-2006、	2024-06-21



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					JB/T 10624-2006、JB/T 10627-2006、JB/T 10626-2006	
		5	insulation resistance	《Mechanical security Mechanical electric equipment Part 1: Common technological condition》 GB/T 5226.1-2019 18.3		2024-06-21
		6	Grounding resistance	《Mechanical security Mechanical electric equipment Part 1: Common technological condition》 GB/T 5226.1-2019 18.2.2		2024-06-21
		7	Pressure	《Mechanical security Mechanical electric equipment Part 1: Common technological condition》 GB/T 5226.1-2019 18.4		2024-06-21
		8	Power supply adaptability test	《Mechanical security Mechanical electric equipment Part 1: Common technological condition》 GB/T 5226.1-2002 4.3.1	Only for power supply adaptability test of JB/T 10624-2006、JB/T 10627-2006、JB/T 10626-2006	2024-06-21



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		№	Item/ Parameter			
2	Fused deposition rapid prototyping machine	1	Installation Quality Protection	《Fused deposition modeling machines Technical requirements for safeguarding》 GB 20775-2006 5.3.2		2024-06-21
		2	Open impetus	《Fused deposition modeling machines Technical requirements for safeguarding》 GB 20775-2006 5.3.2		2024-06-21
3	Laminated object manufacturing prototyping machines Technical requirements	1	service test	《Laminated object manufacturing prototyping machines Technical requirements》 JB/T 10624-2006 7.1 table 1		2024-06-21
		2	Maximum parts efficiency test	《Laminated object manufacturing prototyping machines Technical requirements》 JB/T 10624-2006 7.2.1		2024-06-21
4	Fused deposition modeling machines	1	Machine load running test	《Fused deposition modeling machines -Technical requirements》 JB/T 10627-2006 7.2		2024-06-21
		2	service test	《Fused deposition modeling machines -Technical requirements》 JB/T 10627-2006 7.1 relocation 1		2024-06-21
5	Stereo light curing laser rapid prototyping machine	1	Machine load running test	《Stereolithography laser prototyping machines Technical requirements》 JB/T 10626-2006 7.1		2024-06-21
		2	service test	《Stereolithography laser prototyping machines Technical requirements》 JB/T 10626-2006 7.2		2024-06-21
6	Melt deposition (FDM) additive manufacturing equipment	1	temperature control accuracy	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.5	Only for specific customers	2024-06-21
		2	performance	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.6	Only for specific customers	2024-06-21
		3	print accuracy	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.7	Only for specific customers	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	noisy	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.8	Only for specific customers	2024-06-21
		5	operation	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.10	Only for specific customers	2024-06-21
7	A rapid forming machine with laser as processing power	1	Protection quality	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.3.2		2024-06-21
		2	Impulse power	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.3.2		2024-06-21
		3	The installation height	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.4.5		2024-06-21
		4	prevent solids from entering	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.5.1		2024-06-21
		5	Continuity of ground circuit	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.5.2		2024-06-21
		6	Insulation resistance	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.5.2		2024-06-21
		7	Withstand voltage	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.5.2		2024-06-21
		8	Heat resistant	《The safety protection technical requirement of the rapid		2024-06-21



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		№	Item/ Parameter			
				forming machine tool with laser as processing power》 GB 25493-2010 5.6		
8	IT equipment	1	Input Current	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 1.6.2		2024-06-21
		2	Durability	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 1.7.11		2024-06-21
		3	Energy hazards	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.1.1.5		2024-06-21
		4	In the discharge of the capacitor device	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.1.1.7		2024-06-21
		5	Voltage under normal operating conditions	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.2.2		2024-06-21
		6	Voltage under fault conditions	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.2.3		2024-06-21
		7	Operating voltage externally generated test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.3.5		2024-06-21
		8	Limiting current limits	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.4.2		2024-06-21
		9	Restricted power supply	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.5		2024-06-21
		10	Its resistance grounding conductor connection	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.6.3.4		2024-06-21
		11	Characteristics of the insulating	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.9.1		2024-06-21



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		№	Item/ Parameter			
			material			
		12	Heat treatment	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.9.2		2024-06-21
		13	The basic requirements for clearances	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.3.1		2024-06-21
		14	A circuit clearances	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.3.3		2024-06-21
		15	CLEARANCE secondary circuit	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.3.4		2024-06-21
		16	The minimum creepage distance	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.4.3		2024-06-21
		17	Cord an chorages and strain relief	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 3.2.6		2024-06-21
		18	stability	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.1		2024-06-21
		19	The basic requirements for mechanical strength	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.1		2024-06-21
		20	10N constant force test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.2		2024-06-21
		21	30N constant force test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.3		2024-06-21
		22	250N constant force test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.4		2024-06-21
		23	Impact test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.5		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		24	Drop Test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.6		2024-06-21
		25	stress relief test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.7		2024-06-21
		26	Handles and manual control device	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.3.2		2024-06-21
		27	Temperature Test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.5.2		2024-06-21
		28	Materials for fire enclosures	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.5.2		2024-06-21
		29	Touch current and protective conductor current	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 5.1		2024-06-21
		30	Dielectric strength	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 5.2		2024-06-21
		31	Steady-state test	《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 6.2.2.2		2024-06-21
9	Military equipment	1	vibration test	《Laboratory environmental test methods for military materiel—Part 16:Vibration test》 GJB150.16A-2009 7	Accredited only for general vibration;Except for amplitude≥0.1g2/Hz	2024-06-21
		2	Salt spray test	《Laboratory environmental test methods for military materiel—Part 11:Salt fog test》 GJB150.11A-2009 7		2024-06-21
		3	Thermal shock test	《Laboratory environmental test methods for military materiel—Part 5:Temperature shock test》 GJB150.5A-2009 7	Accredited only for-	2024-06-21



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		№	Item/ Parameter			
					70℃~ 200℃	
		4	Low temperature test	《Laboratory environmental test methods for military materiel—Part 4:Low temperature test》 GJB150.4A-2009 7	Accredited only for -70℃~ room temperature	2024-06-21
		5	High-temperature test	《Laboratory environmental test methods for military materiel—Part 3:High temperature test》 GJB150.3A-2009 7	Accredited only for room temperature ~180℃	2024-06-21
		6	Hygrothermal test of military equipment	《Laboratory environmental test methods for military materiel—Part 9:Damp heat test》 GJB150.9A-2009 7	Accredited only for Relative humidity (20~98)%	2024-06-21
10	Electrical products	1	temperature variation	《Environmental testing.Part 2:Test methods.Test N:Change of temperature》 GB/T 2423.22-2012 78	Except for Nc tset	2024-06-21
11	Selective laser sintering prototyping machines	1		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 5.5	Except for concentration of hazardous substances test	2024-06-21
		2		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 6.2		2024-06-21
		3		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 6.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 7.1		2024-06-21
		5		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 7.2		2024-06-21
		6		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 8		2024-06-21
12	Constituency laser melting process equipment	1	Cosmetic requirements	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.1		2024-06-21
		2	Laser power	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.2		2024-06-21
		3	Preheating device	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.3		2024-06-21
		4	Equipment performance	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.4		2024-06-21
		5	Applicable to material forming performance assessment	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.5		2024-06-21
		6	mark	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 6		2024-06-21
13	Structural parts	1	tolerances of form	《Geometrical product Specifecations(GPS)-geometrical tolerance-verification》 GB/T 1958-2017 7.1		2024-06-21
		2	tolerances of orientation	《Geometrical product Specifecations(GPS)-geometrical tolerance-verification》 GB/T 1958-2017 7.2		2024-06-21
		3	tolerances of location	《Geometrical product Specifecations(GPS)-geometrical tolerance-verification》 GB/T 1958-2017 7.3		2024-06-21
		4	tolerances of run-	《Geometrical product Specifecations(GPS)-geometrical		2024-06-21

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		№	Item/ Parameter			
			out	tolerance-verification》 GB/T 1958-2017 7.4		
		5	Surface roughness parameters	《Geometrical Product Specifications(GPS).Surface texture:Profile method.Surface roughness parameters and their values》 GB/T 1031-2009 4 5 6		2024-06-21
14	Rapid prototyping machine	1	Noise	《General rules for inspection of machine tools -- Part 5: Determination of noise emission》 GB/T 17421.5-2015 6		2024-06-21
15	Frame	1	size	《Geometrical specifications for products of rapid prototyping machine tools (GPS) inspection of smooth workpiece size》 GB/T 3177-2009 5,6		2024-06-21
16	Frame	1	Salt spray test	《Standard Practice for Operating Salt Spray (Fog) Apparatus》 ASTM B117 - 19 10,11,12		2024-06-21
17	electrical and electronic products	1	Low air pressure	《Environmental testing for electric and electronic products.Part 2 Test methods Test M:Low air pressure》 GB/T 2423.21-2008/IEC 60068-2-13:1983 7		2024-06-21
		2	Combined temperature or temperature and humidity with low air pressure	《Environmental testing.Part 2:Test methods.Test method and guidance: Combined temperature or temperature and humidity with low air pressure tests》 GB/T 2423.27-2020/IEC 60068-2-39:2015 4		2024-06-21
		3	Low pressure (altitude)	《Environmental testing methods for military equipment laboratories - Part 2: Low pressure (altitude) testing》 GJB 150.2A-2009 7		2024-06-21
		4	Acidic atmosphere	《Environmental testing for military equipment laboratories - Part 28: Acidic atmosphere testing》 GJB 150.28-2009 7		2024-06-21



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18	Laser additive manufacturing machines		Part of Parameters	《Laser additive manufacturing machines-General technical requirement》 GB/T 43141-2023	Except for assembly quality of machine tool、cleanliness of the machine、Nc system compliance of machine tools、machine data interface、machine drain interface、machine tools and other mechanical safety protection	2024-06-21
19	Laser directed energy deposition machines		Part of Parameters	《Laser directed energy deposition machines — General technical specification》 GB/T 43140-2023	Except for machine tool、tolerance of positioning accuracy	2024-06-21



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		№	Item/ Parameter			
					and repeated positioning accuracy of rotary shaft of mechanical motion system	
(8)、Nondestructive test						
1	Metal materials and products, non-metallic materials and products, composite materials and products	1	Industrial computed tomography (CT) detection	《Non-destructive testing.Industrial computed tomography (CT) testing.General requirements》 GB/T 29070-2012 6		2024-06-21
				《Non-destructive testing.Test method for measuring industrial computed tomography (CT) image》 GB/T 29067-2012 6		2024-06-21
2	Metal materials and products, non-metallic materials and products, composite materials and products	1	Industrial computed tomography (CT) detection	《Hollow powder ratio of additive manufacture metal powder-industrial computed tomography test method》 Q/CAMT006-2018 7		2024-06-21
3	Metal materials and products	1	Ultrasonic testing	《Non-destructive testing of welds.Ultrasonic testing.Techniques, testing levels, and assessment》 GB/T 11345-2013 10.2		2024-06-21



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		№	Item/ Parameter			
		2	Magnetic particle testing	《Non-destructive testing.Magnetic particle testing.Part 1:General principles》 GB/T 15822.1-2005 8.3		2024-06-21
				《Non-destructive testing of welds.Magnetic particle testing》 GB/T 26951-2011 5.6		2024-06-21
		3	Penetrant testing	《Non-destructive testing.Penetrant testing.Part 1:General principles》 GB/T 18851.1-2012 8		2024-06-21
4	Steel castings	1	Ultrasonic testing	《Steel castings.Ultrasonic examination.Part 1:Steel castings for general purposes》 GB/T 7233.1-2023 5.5		2024-06-21
		2	Magnetic particle testing	《Magnetic particle testing for steel castings》 GB/T 9444-2019 4		2024-06-21
		3	Penetrant testing	《Penetrant testing for steel castings》 GB/T 9443-2019 5		2024-06-21
5	Steel forgings	1	Ultrasonic testing	《Steel forgings. Method for ultrasonic testing》 GB/T 6402-2008 11		2024-06-21
		2	Magnetic particle testing	《Magnetic particle testing for steel forgings》 JB/T 8468-2014 9.6		2024-06-21
		3	Penetrant testing	《Penetrant testing for steel forgings》 JB/T 8466-2014 12		2024-06-21
6	Thicker steel plates	1	Ultrasonic testing	《Method for ultrasonic testing of thicker steel plates》 GB/T 2970-2016 6		2024-06-21
7	Metal materials and products, non-metallic materials and products, composite materials and products	1	Industrial computed tomography (CT) detection	《Industrial computed tomographic (CT) inspection》 GJB 5312-2004 7		2024-06-21



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8	Metal materials and products	1	penetrant inspection	《Standard Practice for Liquid Penetrant Testing》 ASTM E1417/E1417M-2021 7		2024-06-21
		2	penetrant inspection	《Penetrant Testing》 HB/Z 61-1998 5		2024-06-21
		3	penetrant inspection	《Liquid penetrant inspection of metallic surgical implants》 YY/T 0343-2002 3		2024-06-21
		4	Ultrasonic testing	《Non-destructive testing of welds — Ultrasonic testing — Techniques, testing levels, and assessment》 ISO 17640-2018 10		2024-06-21
		5	Radiographic Testing	《X-ray CT testing method of the porous metal materials for surgical implant applications》 GB/T 36984-2018 7		2024-06-21
		6	Magnetic Testing	《Non-destructive testing-Magnetic particle testing-Part 1:General principles》 GB/T 15822.1-2005 8		2024-06-21
		7	Magnetic Testing	《Magnetic particle testing for steel forgings》 JB/T 8468-2014 9		2024-06-21
9	Aluminium	1	Nondestructive test	《Ultrasonic inspection of wrought aluminium and magnesium alloy products》 GB/T 6519-2013 9	Except for Appendix A: A2.2.4 thick-walled tube longitudinal wave test, A2.2.5 bar longitudinal wave test, A2.3 shear wave test, Appendix B.	2024-06-21



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(9)、Battery						
1	Lead-Acid Battery	1	Cadmium	《Determination of Cadmium in Lead-Acid Battery》 JB/T 11236-2011 4	revoked and retained, which can only be used when referenced.	2024-06-21
		2	arsenic	《Determination method for arsenic in lead-acid battery》 JB/T 12344-2015		2024-06-21
2	Battery Parameters	1	mercury	《Determination of mercury,cadmium and lead in battery》 GB/T 20155-2018 7、8		2024-06-21
		2	cadmium	《Determination of mercury,cadmium and lead in battery》 GB/T 20155-2018 9		2024-06-21
		3	lead	《Determination of mercury,cadmium and lead in battery》 GB/T 20155-2018 10		2024-06-21
3	Plate for lead-acid battery	1	Dimension,mass	《Plate for lead-acid battery》 GB/T 23636-2017 6.1		2024-06-21
		2	rated capacity	《Plate for lead-acid battery》 GB/T 23636-2017 6.2		2024-06-21
		3	Apperance	《Plate for lead-acid battery》 GB/T 23636-2017 6.3		2024-06-21
		4	Lead dioxide content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.1		2024-06-21
		5	Lead oxide content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.2		2024-06-21
		6	Lead sulfate content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.3		2024-06-21
		7	Lead free	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.4		2024-06-21



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		8	Water content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.5		2024-06-21
		9	Iron Content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.6		2024-06-21
		10	Cadmium content in plates	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.7		2024-06-21
		11	The joint determination of iron and cadmium in plate	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.9		2024-06-21
4	Valve-regulated colloid battery for telecommunication	1	Mass check	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.3		2024-06-21
		2	Structure	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.4		2024-06-21
		3	Gas emission	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.7		2024-06-21
		4	Capacity	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.8		2024-06-21
		5	High current Discharge	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.9		2024-06-21
		6	Capacity conservation Rate	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.10		2024-06-21
		7	Sealed reaction efficiency	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.11		2024-06-21
		8	Acid fog resistance	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.12		2024-06-21
		9	Safety valve	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.13		2024-06-21



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		10	Overcharge endurance	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.14		2024-06-21
		11	Charge management	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.15		2024-06-21
		12	Balance of terminal voltage	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.16		2024-06-21
		13	Connection voltage drop	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.17		2024-06-21
		14	Internal resistance	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.18		2024-06-21
		15	Explosion-proof capability	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.19		2024-06-21
		16	Sealing test	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.20		2024-06-21
		17	Thermal runaway sensitivity	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.21		2024-06-21
		18	Recovery capability after high current discharge	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.22		2024-06-21
		19	Overdischarge	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.23		2024-06-21
		20	Low temperature sensitivity	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.24		2024-06-21
		21	Cycle	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 6.25		2024-06-21
5	Get up and put the lead-acid battery to use	1	Dimension、polarity	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.3		2024-06-21
		2	Capacity test	《Lead-acid starter batteries- Part1:Technical conditions and		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				methods of test》 GB/T 5008.1-2013 5.4		
		3	Cold cranking test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.5		2024-06-21
		4	Charge acceptance test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.6		2024-06-21
		5	Charge retention test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.7		2024-06-21
		6	Electrolyte retention test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.8		2024-06-21
		7	High temperature erosion	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.9.1		2024-06-21
		8	Cycle endurance I	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.9.2		2024-06-21
		9	Cycle endurance II	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.9.3		2024-06-21
		10	Cycle endurance III	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.9.4		2024-06-21
		11	Cycle endurance IV	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.9.5		2024-06-21
		12	Water consumption test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.1		2024-06-21
		13	Vibration test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.11		2024-06-21
		14	Cranking performance for dry-charged(or conserved-	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.12		2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			charged)batteries after activation			
		15	gas leakage test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.13		2024-06-21
		16	Storage test without electrolyte for dry-charged(or conserved-charged)batteries after activation	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 5.14		2024-06-21
6	Lead-acid batteries for motorcycles	1	polarity	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.4		2024-06-21
		2	gas leakage test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.5		2024-06-21
		3	Valve open and close test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.6		2024-06-21
		4	Safety test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.7		2024-06-21
		5	Capacity test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.8		2024-06-21
		6	Sealed reaction efficiency test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.9		2024-06-21
		7	Cold cranking test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.1		2024-06-21
		8	Charge acceptance test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.11		2024-06-21
		9	Charge retention test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.12		2024-06-21
		10	Cycle endurance test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.13		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	Electrolyte retention tes	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.14		2024-06-21
		12	Vibration test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.15		2024-06-21
		13	Dry charged performance	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.16		2024-06-21
		14	Storage test for dry-charged batteries	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 5.17		2024-06-21
7	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	Insulation and wiring	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 5.2		2024-06-21
		2	Continuous low-rate charging (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.2.1		2024-06-21
		3	Vibration	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.2.2		2024-06-21
		4	Moulded case stress at high ambient temperature (batteries)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.2.3		2024-06-21
		5	Temperature cycling	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.2.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Incorrect installation (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.3.1		2024-06-21
		7	Overcharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.3.8		2024-06-21
		8	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 7.3.9		2024-06-21
		9	Charge(Procedure2)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 8.1.2		2024-06-21
		10	Continuous charging at constant voltage (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 8.2.1		2024-06-21
		11	Moulded case stress at high ambient temperature (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 8.2.2		2024-06-21
		12	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 8.3.6		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications》 EN 62133-2013 8.3.7		2024-06-21
8	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	Vibration test	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Mechanical tests for sealed portable secondary cells and batteries 》 IEC 61959-2004 4.1		2024-06-21
		2	Insulation and wiring	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications》 IEC 62133-2012 5.2		2024-06-21
		3	Continuous low-rate charging (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications》 IEC 62133-2012 7.2.1		2024-06-21
		4	Vibration	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications》 IEC 62133-2012 7.2.2		2024-06-21
		5	Moulded case stress at high ambient temperature (batteries)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications》 IEC 62133-2012 7.2.3		2024-06-21
		6	Temperature cycling	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications》 IEC 62133-2012 7.2.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Incorrect installation (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in protable applications》 IEC 62133-2012 7.3.1		2024-06-21
		8	Overcharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in protable applications》 IEC 62133-2012 7.3.8		2024-06-21
		9	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in protable applications》 IEC 62133-2012 7.3.9		2024-06-21
		10	Charge(Procedure2)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in protable applications》 IEC 62133-2012 8.1.2		2024-06-21
		11	Continuous charging at constant voltage (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in protable applications》 IEC 62133-2012 8.2.1		2024-06-21
		12	Moulded case stress at high ambient temperature (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in protable applications》 IEC 62133-2012 8.2.2		2024-06-21
		13	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in protable applications》 IEC 62133-2012 8.3.6		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in portable applications》 IEC 62133-2012 8.3.7		2024-06-21
		15	Transport tests	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells, and for batteries made from them,for use in portable applications》 IEC 62133-2012 8.3.8		2024-06-21
		16	Discharge performance at 25°C	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 6.3.1		2024-06-21
		17	Discharge performance at low temperature	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 6.3.2		2024-06-21
		18	High rate permissible current	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 6.3.3		2024-06-21
		19	Charge retention and recovery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 6.4		2024-06-21
		20	Internal a.c. resistance	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 6.5.2		2024-06-21
		21	Internal d.c. resistance	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 6.5.3		2024-06-21
		22	Endurance in cycles	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in		2024-06-21



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		№	Item/ Parameter			
				industrial applications》 IEC 62620-2014 6.6.1		
		23	Endurance in storage at constant voltage	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 6.6.2		2024-06-21
9	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries	1	Insulating	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 5.2		2024-06-21
		2	Continuous low-rate charging	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 7.2.1		2024-06-21
		3	Vibration	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 7.2.2		2024-06-21
		4	Case stress at high ambient temperature	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 7.2.3		2024-06-21
		5	Temperature cycling	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-		2024-06-21



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		№	Item/ Parameter			
				2017 7.2.4		
		6	Incorrect installation	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.1		2024-06-21
		7	Overcharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.8		2024-06-21
		8	Forced discharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 7.3.9		2024-06-21
		9	Packaging	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 10		2024-06-21
10	Secondary cells and batteries containing alkaline or other non-acid electrolytes –	1	Insulating	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 5.2		2024-06-21
		2	Continuous charging at constant	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed		2024-06-21



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	Safety requirements for portable sealed secondary cells, and for batteries		voltage (cell)	secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 7.2.1		
		3	Case stress at high ambient temperature (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 7.2.2		2024-06-21
		4	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.6		2024-06-21
		5	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 7.3.7		2024-06-21
		6	Packaging	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 10		2024-06-21
11	Secondary cells and batteries containing alkaline or other non-acid	1	forced discharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications》 IEC 62619-2017 7.2.6		2024-06-21
		2	Propagation test (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium		2024-06-21



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	electrolytes – Safety requirements for portable sealed secondary cells, and for batteries			cells and batteries, for use in industrial applications》 IEC 62619-2017 7.3.3		
		3	Overcharge control of voltage (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications》 IEC 62619-2017 8.2.2		2024-06-21
		4	Overcharge control of current (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications》 IEC 62619-2017 8.2.3		2024-06-21
		5	Overheating control (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications》 IEC 62619-2017 8.2.4		2024-06-21
		6	Overcharge test (cell or cell block)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications》 IEC 62619-2017 7.2.5		2024-06-21
12	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	Discharge performance at 20°C	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made from them》 IEC 61960-3:2017 7.3.1		2024-06-21
		2	Discharge performance at - 20°C	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made from them》 IEC 61960-3:2017 7.3.2		2024-06-21



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		3	High rate discharge performance at 20°C	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made from them》 IEC 61960-3:2017 7.3.3		2024-06-21
		4	Charge(capacity) retention and recovery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made from them》 IEC 61960-3:2017 7.4		2024-06-21
		5	Charge(capacity) recovery after long term storage	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made from them》 IEC 61960-3:2017 7.5		2024-06-21
		6	Endurance in cycles	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made from them》 IEC 61960-3:2017 7.6		2024-06-21
		7	Battery internal resistance	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made from them》 IEC 61960-3:2017 7.7		2024-06-21
13	Lithium Batteries	1	Abnormal charging test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 11		2024-06-21
		2	Forced-discharge test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 12		2024-06-21



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14	Lead-acid batteries for starting in ships	3	Vibration test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 16		2024-06-21
		4	Temperature cycling test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 18		2024-06-21
		1	Terminal and polarity	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.3		2024-06-21
		2	Dimension	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.4		2024-06-21
		3	Gas emission	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.5		2024-06-21
		4	Insulation	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.6		2024-06-21
		5	Capacity	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.7		2024-06-21
		6	Cold cranking test	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.8		2024-06-21
		7	Cranking performance for dry-charged(or conserved-charged)batteries after activation	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.9		2024-06-21
		8	Charge acceptance test	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.1		2024-06-21
		9	Charge retention	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.11		2024-06-21
		10	Cycle endurance	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.12		2024-06-21



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		11	Tilt	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.13		2024-06-21
		12	Swing	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.14		2024-06-21
		13	Vibration	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.15		2024-06-21
		14	Water consumption	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.16		2024-06-21
		15	Acid fog resistance	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.17		2024-06-21
		16	Storage	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 6.18		2024-06-21
15	Valve-regulated lead acid batteries for telecommunications	1	Gas emission	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.6		2024-06-21
		2	Capacity	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.7		2024-06-21
		3	High current discharge	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.8		2024-06-21
		4	Capacity conservation Rate	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.9		2024-06-21
		5	Sealed reaction efficiency	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.1		2024-06-21
		6	Acid fog resistance	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.11		2024-06-21
		7	Safety valve	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.12		2024-06-21
		8	Overcharge endurance	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.13		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Charge management	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.14		2024-06-21
		10	Balance of terminal voltage	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.15		2024-06-21
		11	Connection voltage drop	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.16		2024-06-21
		12	Explosion-proof capability	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.17		2024-06-21
		13	Sealing test	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.18		2024-06-21
		14	Internal resistance	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.19		2024-06-21
		15	Thermal runaway sensitivity	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.2		2024-06-21
		16	Overdischarge	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.21		2024-06-21
		17	Low temperature sensitivity	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.22		2024-06-21
		18	Cycle	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.23		2024-06-21
		19	Recharge performance	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.24		2024-06-21
		20	Capability consistency	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 7.25		2024-06-21
16	Lead-acid batteries for electric vehicles	1	Polarity	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.3		2024-06-21
		2	Dimension and mass	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	3h rate rated capacity	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.5		2024-06-21
		4	High current discharge	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.6		2024-06-21
		5	Fast charge capability	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.7		2024-06-21
		6	—20°C low temperature discharge	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.8		2024-06-21
		7	Safety	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.9		2024-06-21
		8	Sealed reaction efficiency	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.1		2024-06-21
		9	Water Consumption	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.11		2024-06-21
		10	Charge retention	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.12		2024-06-21
		11	Cycle endurance	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.13		2024-06-21
		12	Vibration	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.14		2024-06-21
		13	Pressure limited valve	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.15		2024-06-21
		14	Storage	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 6.16		2024-06-21
17	Household and Commercial Batteries	1	Abnormal charging test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 10		2024-06-21
		2	Abusive overcharge test	《Standard for safety Household and Commercial Batteries》		2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				UL 2054-2004 11		
		3	Forced-discharge test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 12		2024-06-21
		4	Limited Power Source test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 13		2024-06-21
		5	Battery pack component temperature test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 13A		2024-06-21
		6	Battery pack surface temperature test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 13B		2024-06-21
		7	Vibration test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 17		2024-06-21
		8	Mold stress relief test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 20		2024-06-21
		9	Temperature cycling test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 24		2024-06-21
18	Miner's lamp used Lithium ion batteries	1	Capacity	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.4.2		2024-06-21
		2	High temperature discharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.4.3		2024-06-21
		3	Low temperature discharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.4.4		2024-06-21
		4	Charge retention and recovery	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.4.5		2024-06-21
		5	Storage	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.4.6		2024-06-21
		6	Cycle	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.4.7		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Steady damp-heat	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.5.2		2024-06-21
		8	Vibration	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.5.3		2024-06-21
		9	Temperature change	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.5.6		2024-06-21
		10	Overcharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.6.4		2024-06-21
		11	Forced discharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 5.6.5		2024-06-21
19	Electric motorcar used nicke metal hydride batteries	1	Polarity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.2		2024-06-21
		2	Dimension and mass	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.3		2024-06-21
		3	20°C discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.5		2024-06-21
		4	_20°C discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.6		2024-06-21
		5	55°C discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.7		2024-06-21
		6	20°C high rate discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.8		2024-06-21
		7	Room and high temperature charge retention and recovery	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.9		2024-06-21
		8	Overdischarge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.10.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Overcharge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.10.3		2024-06-21
		10	Cycle	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.11		2024-06-21
		11	Storage	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.2.12		2024-06-21
		12	Polarity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.3.2		2024-06-21
		13	Dimension and mass	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.3.3		2024-06-21
		14	20°C discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.3.5		2024-06-21
		15	Simple simulation of working state	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.3.6		2024-06-21
		16	Vibration	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.3.7		2024-06-21
		17	Overdischarge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.3.8.1		2024-06-21
		18	Overcharge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 6.3.8.2		2024-06-21
20	Secondary cells and batteries for photovoltaic energy systems (PVES)	1	Capacity test	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN 61427-2006 8.1		2024-06-21
		2	Endurance in cycle test	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN 61427-2006 8.2		2024-06-21
		3	Charge retention test	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				61427-2006 8.3		
		4	Cycling endurance test in photovoltaic applications(extreme conditions)	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN 61427-2006 8.4		2024-06-21
21	Secondary cells and batteries for renewable energy storage General requirements and methods	1	Capacity test	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》 IEC 61427-1: 2013 8.1		2024-06-21
		2	Generic cycling endurance test	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》 IEC 61427-1: 2013 8.2		2024-06-21
		3	Charge retention test	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》 IEC 61427-1: 2013 8.3		2024-06-21
		4	Cycling endurance test in photovoltaic applications(extreme conditions)	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》 IEC 61427-1: 2013 8.4		2024-06-21
22	Lead-acid batteries for start-stop	1	Type、 dimension、 Terminal dimension and polarity、 mark	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Mass	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.2		2024-06-21
		3	Capacity test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.3		2024-06-21
		4	Cold cranking test at -18℃	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.4		2024-06-21
		5	Cold cranking test at -29℃	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.5		2024-06-21
		6	Static charge acceptance	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.6		2024-06-21
		7	Dynamic charge acceptance	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.7		2024-06-21
		8	Charge retention test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.8		2024-06-21
		9	start-stop test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.9		2024-06-21
		10	Cycles with 17.5% DoD	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.10		2024-06-21
		11	Cycles with 50% DoD	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.11		2024-06-21
		12	Vibration resistance test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.12		2024-06-21
		13	Electrolyte retention test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.13		2024-06-21
		14	Water consumption test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.14		2024-06-21
		15	Terminal anti torque	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.15		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Safety valve open and close	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.16		2024-06-21
		17	Fasten strength	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.17		2024-06-21
		18	Handle lift strength	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.18		2024-06-21
		19	Safety test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.19		2024-06-21
		20	Over-discharge test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 5.3.20		2024-06-21
23	traction battery of electric vehicle	1	Room temperature capacity and energy(initial capacity and energy)	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 6.2		2024-06-21
		2	Room temperature power(initial power)	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 6.3		2024-06-21
		3	Standard cycle	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 6.4		2024-06-21
		4	Operating mode cycle	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 6.5		2024-06-21
		5	Overdischarge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.2		2024-06-21
		6	Overcharge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.3		2024-06-21
		7	Temperature cycle	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.2.10		2024-06-21



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		8	Overdischarge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.3.2		2024-06-21
		9	Overcharge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.3.3		2024-06-21
		10	Temperature cycle	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 6.3.10		2024-06-21
		11	Polarity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.2.2		2024-06-21
		12	Dimension and mass	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.2.3		2024-06-21
		13	Room temperature discharge capacity(initial capacity)	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.2.5		2024-06-21
		14	Polarity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.2		2024-06-21
		15	Dimension and mass	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.3		2024-06-21
		16	Room temperature discharge capacity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.5		2024-06-21
		17	Room temperature high rate discharge performance	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.6		2024-06-21
		18	Room temperature high rate charge performance	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.7		2024-06-21
		19	Low temperature discharge capacity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.8		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		20	High temperature discharge capacity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.9		2024-06-21
		21	Charge retention and recovery	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.10		2024-06-21
		22	Vibration endurance	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.11		2024-06-21
		23	Storage	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 6.3.12		2024-06-21
24	Lithium ion cells and batteries used in portable electronic equipments	1	Capacity(cell)	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 4.7.3	revoked and retained, which can only be used when referenced.	2024-06-21
		2	Pre-treatment	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 4.7.4	revoked and retained, which can only be used when referenced.	2024-06-21
		3	Overcharge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 6.3	revoked and retained, which can only be used when referenced.	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Forced discharge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 6.4	revoked and retained, which can only be used when referenced.	2024-06-21
		5	Temperature cycle	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.2	revoked and retained, which can only be used when referenced.	2024-06-21
		6	Vibration	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 7.3	revoked and retained, which can only be used when referenced.	2024-06-21
		7	Temperature cycle	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 8.2	revoked and retained, which can only be used when referenced.	2024-06-21
		8	Vibration	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 8.3	revoked and retained,	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Mold stress relief	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 8.6	which can only be used when referenced. revoked and retained, which can only be used when referenced.	2024-06-21
		10	High temperature use	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 8.7	revoked and retained, which can only be used when referenced.	2024-06-21
		11	Flame resistance(wire)	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 Annex G	revoked and retained, which can only be used when referenced.	2024-06-21
		12	Over voltage charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 9.2	revoked and retained, which can only be used when	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					referenced.	
		13	Over current charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 9.3	revoked and retained, which can only be used when referenced.	2024-06-21
		14	Low voltage discharge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 9.4	revoked and retained, which can only be used when referenced.	2024-06-21
		15	Over load	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 9.5	revoked and retained, which can only be used when referenced.	2024-06-21
		16	Reverse charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 9.7	revoked and retained, which can only be used when referenced.	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		17	Protection of over voltage charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 10.2	revoked and retained, which can only be used when referenced.	2024-06-21
		18	Protection of over current charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 10.3	revoked and retained, which can only be used when referenced.	2024-06-21
		19	Protection of low voltage charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 10.4	revoked and retained, which can only be used when referenced.	2024-06-21
		20	Protection of over load	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 10.5	revoked and retained, which can only be used when referenced.	2024-06-21
		21	High voltage resistance	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 10.7	revoked and retained,	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					which can only be used when referenced.	
		22	Control of charge voltage	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 11.2	revoked and retained, which can only be used when referenced.	2024-06-21
		23	Control of charge current	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 11.3	revoked and retained, which can only be used when referenced.	2024-06-21
		24	Control of discharge voltage	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 11.4	revoked and retained, which can only be used when referenced.	2024-06-21
		25	Control of discharge current	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 11.5	revoked and retained, which can only be used when	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					referenced.	
		26	Control of charge and discharge temperature	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 11.6	revoked and retained, which can only be used when referenced.	2024-06-21
25	Stationary lead-acid batteries	1	Gas emission	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.1		2024-06-21
		2	High current tolerance	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.2		2024-06-21
		3	Short circuit current and d.c. internal resistance	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.3		2024-06-21
		4	Protection against internal ignition from external spark sources	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.4		2024-06-21
		5	Protection against ground short propensity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.5		2024-06-21
		6	Content and durability of required markings	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.6		2024-06-21
		7	Material identification	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.7		2024-06-21
		8	Valve operation	《Stationary lead-acid batteries Part 21: Valve regulated types		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Methods of test》 IEC 60896-21-2004 6.8		
		9	Flammability rating of materials	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.9		2024-06-21
		10	Intercell connector performance	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.1		2024-06-21
		11	Discharge capacity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.11		2024-06-21
		12	Charge retention during storage	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.12		2024-06-21
		13	Float service with daily discharges	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.13		2024-06-21
		14	Recharge behaviour	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.14		2024-06-21
		15	Service life at an operating temperature of 40°C	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.15		2024-06-21
		16	Impact of a stress temperature of 55°C or 60°C	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.16		2024-06-21
		17	Abusive over-discharge	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.17		2024-06-21
		18	Thermal runaway sensitivity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.18		2024-06-21
		19	Low temperature sensitivity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.19		2024-06-21
		20	Dimensional stability at elevated	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			internal pressures and temperatures			
		21	Stability against mechanical abuse of units during installation	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 6.21		2024-06-21
26	General purpose lead-acid batteries(valve-regulated types)	1	Capacity Ca (actual capacity at the 20 h discharge rate)	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.2		2024-06-21
		2	High rate capacity	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.3		2024-06-21
		3	Endurance in cycles	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.4		2024-06-21
		4	Float service endurance	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.5		2024-06-21
		5	Float service endurance at	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.6		2024-06-21
		6	Charge retention	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.7		2024-06-21
		7	Maximum permissible current	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.8		2024-06-21
		8	Charge acceptance after deep discharge	《General purpose lead-acid batteries (valve-regulated types) -		2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.9		
		9	Gas emission intensity	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.1		2024-06-21
		10	Operation of regulating valve and over pressure resistance	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.11		2024-06-21
		11	Vibration resistance characteristics	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.12		2024-06-21
		12	Shock resistant characteristics	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristics-Methods of test》 IEC 61056-1-2012 7.13		2024-06-21
27	Valve-regulate lead acid for electric and subway locomotives	1	Dimension and mass	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.3		2024-06-21
		2	Polarity	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.5		2024-06-21
		3	Combination consistency of OCV	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.6		2024-06-21
		4	Capacity and combination consistency of capacity	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.7		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	High current discharge test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.8		2024-06-21
		6	Discharge capacity in low temperature	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.9		2024-06-21
		7	Charge retention test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.1		2024-06-21
		8	Cycle endurance	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.11		2024-06-21
		9	Overcharge test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.12		2024-06-21
		10	Overdischarge test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.13		2024-06-21
		11	Charge acceptance test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.14		2024-06-21
		12	Sealed reaction efficiency test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.15		2024-06-21
		13	Explosion-proof capability test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.16		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Acid fog resistance test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.17		2024-06-21
		15	Safety valve capability and imbalance rate of valve open and close pressure	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.18		2024-06-21
		16	Vibration and shock	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.19		2024-06-21
		17	Emergency ventilation performance	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.2		2024-06-21
		18	Sealing test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 6.21		2024-06-21
28	Valve regulated lead-acid for diesel locomotives	1	Dimension and mass	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.2		2024-06-21
		2	Apperance polarity mark and polarity	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.3		2024-06-21
		3	Capacity and conbination consistency of capacity	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.4		2024-06-21
		4	Room temperature cranking test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				7404.2-2013 7.5		
		5	Cold cranking test	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.6		2024-06-21
		6	Charge retention test	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.7		2024-06-21
		7	Cycle endurance	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.8		2024-06-21
		8	Overcharge test	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.9		2024-06-21
		9	Charge acceptance test	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.1		2024-06-21
		10	Sealed reaction efficiency test	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.11		2024-06-21
		11	Explosion-proof capability test	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.12		2024-06-21
		12	Safety valve capability	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 7.13		2024-06-21
		13	Gas emission	《Lead-acid battery for locomotives and rolling stock- Part2:Valve regulated lead-acid for diesel locomotives》 GB/T		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				7404.2-2013 7.14		
29	Lead-Acid battery used for passenger trains	1	Dimension	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.4		2024-06-21
		2	Mass	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.5		2024-06-21
		3	Combination consistency of OCV	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.6		2024-06-21
		4	Capacity and combination consistency of capacity	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.7		2024-06-21
		5	Low temperature capacity	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.8		2024-06-21
		6	High current discharge performance	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.9		2024-06-21
		7	Charge retention	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.1		2024-06-21
		8	Charge acceptance test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.11		2024-06-21
		9	Overcharge	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.12		2024-06-21
		10	Cycle endurance	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.13		2024-06-21
		11	Sealed reaction efficiency test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.14		2024-06-21
		12	Explosion-proof capability test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.15		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Acid fog resistance test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.16		2024-06-21
		14	Valve performance test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.17		2024-06-21
		15	Gas emission test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.18		2024-06-21
		16	Vibration	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 6.19		2024-06-21
30	Stationary acidspray-proof lead-acid batteries	1	Structure	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 4.1		2024-06-21
		2	Polarity	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.1.2		2024-06-21
		3	Dimension and mass	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.1.3		2024-06-21
		4	Gas emission	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.2		2024-06-21
		5	Capacity	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.3		2024-06-21
		6	Charge retention	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.6		2024-06-21
		7	Short circuit and internal resistance	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.5		2024-06-21
		8	Acid fog resistance	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.7		2024-06-21
		9	Cycle	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.1		2024-06-21



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		10	Trickle current endurance and electrolyte storage	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.9		2024-06-21
		11	High current tolerance	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.4		2024-06-21
		12	Anti mechanical damage	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.11		2024-06-21
		13	Safety	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 6.8		2024-06-21
31	Special type lead acid storage battery for coal mine	1	Structure	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.3		2024-06-21
		2	polarity	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.2.2		2024-06-21
		3	Dimension	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.2.3		2024-06-21
		4	Gas emission	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.4		2024-06-21
		5	Capacity	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.6		2024-06-21
		6	Hydrogen evolution quantity	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.7		2024-06-21
		7	Sealed reaction efficiency	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.8		2024-06-21
		8	Vibration	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.9		2024-06-21
		9	Explosion-proof capability	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.11		2024-06-21



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		№	Item/ Parameter			
		10	Storage	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.14		2024-06-21
		11	Resistance to impact of special vent	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.18		2024-06-21
		12	Hydrophobicity of special vent	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.19		2024-06-21
		13	Static tension of special vent	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.2		2024-06-21
		14	Valve open and close test for sealed battey	《Special type lead acid storage battery for coal mine》 MT 658-2011 5.21		2024-06-21
32	small-sized valve-regulated lead-acid batteries	1	Terminal polarity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.3		2024-06-21
		2	Dimension	《General purpose valve-regulated lead-acid batteries—Part 2: Kinds of products and specifications》 GB/T 19639.2-2014 4		2024-06-21
		3	20h rate capacity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.4.1		2024-06-21
		4	1h rate capacity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.4.2		2024-06-21
		5	27min rate capacity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.5		2024-06-21
		6	Maximum discharge current	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.6		2024-06-21
		7	Overdischarge	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.7		2024-06-21
		8	Safety test	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.1		2024-06-21



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		№	Item/ Parameter			
		9	Gas evolution or Sealed reaction efficiency	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.8		2024-06-21
		10	Valve	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.9		2024-06-21
		11	Explosion-proof capability	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.11		2024-06-21
		12	Charge retention	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.12		2024-06-21
		13	Vibration	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.13		2024-06-21
		14	Impact	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.14		2024-06-21
		15	Cycle	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.15		2024-06-21
		16	Float durability	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 5.16		2024-06-21
33	Nickel-metal hydride batteries for electric road vehicles	1	polarity	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.3		2024-06-21
		2	Dimension and mass	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.4		2024-06-21
		3	2I ₃ (A) charge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.8		2024-06-21
		4	20°C discharge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.9		2024-06-21
		5	-18°C discharge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.1		2024-06-21



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		№	Item/ Parameter			
		6	50°C discharge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.11		2024-06-21
		7	Charge retention	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.12		2024-06-21
		8	Safety valve working performance of cell	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.13		2024-06-21
		9	Cycle	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.14		2024-06-21
		10	Vibration	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.15		2024-06-21
		11	Storage	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 6.16		2024-06-21
34	Lithium-ion batteries for electric vehicles	1	Polarity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.2		2024-06-21
		2	Dimension and mass	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.3		2024-06-21
		3	20°C discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.5		2024-06-21
		4	_20°C discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.6		2024-06-21
		5	55°C discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.7		2024-06-21
		6	20°C high rate discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.8		2024-06-21
		7	Room and high temperature charge retention and recovery	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.9		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Storage	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.10		2024-06-21
		9	Cycle	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.11		2024-06-21
		10	Overdischarge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.12.1		2024-06-21
		11	Overcharge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.2.12.2		2024-06-21
		12	Polarity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.3.2		2024-06-21
		13	Dimension and mass	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.3.3		2024-06-21
		14	20°C discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.3.5		2024-06-21
		15	Simple simulation of working state	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.3.6		2024-06-21
		16	Vibration	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.3.7		2024-06-21
		17	Overdischarge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.3.8.1		2024-06-21
		18	Overcharge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 6.3.8.2		2024-06-21
35	Lithium ion accumulator cell	1	Apperance dimension and mass	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.2		2024-06-21
		2	Pre cycle	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.3		2024-06-21
		3	Rated capacity test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.4		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	High current discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.5		2024-06-21
		5	Low temperature discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.6		2024-06-21
		6	High temperature discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.7		2024-06-21
		7	Internal resistance test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.8		2024-06-21
		8	Charge retention test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.9		2024-06-21
		9	Cycle test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.1		2024-06-21
		10	Storage test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.11		2024-06-21
		11	High temperature test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.12.1		2024-06-21
		12	Low temperature test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.12.2		2024-06-21
		13	Steady damp-heat test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.12.3		2024-06-21
		14	Vibration test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.12.4		2024-06-21
		15	Collision test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.12.5		2024-06-21
		16	Thermal shock test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.12.6		2024-06-21
		17	Overcharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Forced discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 5.13.2		2024-06-21
36	Lead-acid batteries used for electric road vehicles	1	polarity	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.2.3		2024-06-21
		2	Dimension	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.2.2		2024-06-21
		3	Mass	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.2.4		2024-06-21
		4	rated capacity	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.3		2024-06-21
		5	Capacity at different temperature capacity	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.4		2024-06-21
		6	Charge retention	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.5		2024-06-21
		7	Cycle endurance	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.6		2024-06-21
		8	active endurance	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.7		2024-06-21
		9	Fast charge capability	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.8		2024-06-21
		10	over charge	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.9.1		2024-06-21
		11	Peak power	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.10		2024-06-21
		12	Water Consumption	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.11		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Vibration	《Lead-acid batteries used for electric road vehicles-Part1: Technical Condition》 GB/T 32620.1-2016 5.12		2024-06-21
37	Lithium-ion cells and batteries for mobile phone	1	0.2I ₂ A discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.2		2024-06-21
		2	High rate discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.3		2024-06-21
		3	High temperature discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.4		2024-06-21
		4	Low temperature discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.5		2024-06-21
		5	Charge retention and recovery	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.6		2024-06-21
		6	Storage	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.7		2024-06-21
		7	Cycle	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.8		2024-06-21
		8	Internal resistance	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.2.9		2024-06-21
		9	Steady damp-heat	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.3.2		2024-06-21
		10	Vibration	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.3.3		2024-06-21
		11	Mold stress relief	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.3.6		2024-06-21
		12	Protection of overcharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.4.2		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Protection of overdischarge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.4.3		2024-06-21
		14	Overcharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.5.4		2024-06-21
		15	Overdischarge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.5.5		2024-06-21
		16	Temperature cycle	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 5.3.5.8		2024-06-21
38	Nickel-Metal Hydride battery	1	20°C discharge performance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.2.1		2024-06-21
		2	0°C discharge performance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.2.2		2024-06-21
		3	(R battery)discharge performance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.2.3		2024-06-21
		4	Charge retention	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.3		2024-06-21
		5	Cycle	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.4.1		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Endurance on permanent charge	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.4.2		2024-06-21
		7	Constant voltage charge acceptance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.5		2024-06-21
		8	Overcharge	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.6		2024-06-21
		9	Gas release device operation	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.7		2024-06-21
		10	Storage	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.8		2024-06-21
		11	Charge acceptance at 55°C for LT/MT or HT cylindrical cells	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.9		2024-06-21
		12	Internal resistance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 7.1		2024-06-21
39	Lithium metal and lithium ion batteries	1	Thermal test	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》 ST/SG/AC.10/11/Rev.6 UN38.3 38.3.4.2		2024-06-21
		2	Vibration	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》		2024-06-21



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		№	Item/ Parameter			
				ST/SG/AC.10/11/Rev.6 UN38.3 38.3.4.3		
		3	Overcharge	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》 ST/SG/AC.10/11/Rev.6 UN38.3 38.3.4.7		2024-06-21
		4	Forced discharge	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》 ST/SG/AC.10/11/Rev.6 UN38.3 38.3.4.8		2024-06-21
40	Miniature valve-regulated lead-acid battery	1	Dimension	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.4		2024-06-21
		2	5h rate capacity	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.5		2024-06-21
		3	30min rate discharge	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.6		2024-06-21
		4	Overdischarge	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.7		2024-06-21
		5	Overcharge	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.8		2024-06-21
		6	Valve open and close	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.9		2024-06-21
		7	Safety test	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.1		2024-06-21
		8	Charge retention	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.11		2024-06-21
		9	Impact	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.12		2024-06-21
		10	Cycle endurance	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 5.13		2024-06-21



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41	Electric bicycles-cell or battery	1	Polarity	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.2		2024-06-21
		2	Dimension	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.3		2024-06-21
		3	2hr rated capacity	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.5		2024-06-21
		4	Discharge capacity in low temperature	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.6		2024-06-21
		5	Overdischarge	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.7		2024-06-21
		6	Overcharge	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.8		2024-06-21
		7	Charge retention	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.9		2024-06-21
		8	High current discharge performance	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.10		2024-06-21
		9	Vibration	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.11		2024-06-21
		10	Cycle	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.12		2024-06-21
		11	Combination consistency	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.13		2024-06-21
		12	Pressure limited valve	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 6.1.14		2024-06-21
42	metal-hydride Ni-ion batteries	1	Polarity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008		2024-06-21



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				6.1.1.2		
		2	Dimension	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.1.3		2024-06-21
		3	Mass	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.1.4		2024-06-21
		4	OCV	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.2.1		2024-06-21
		5	Operation current	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.2.2		2024-06-21
		6	Room temperature capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.2.3.1		2024-06-21
		7	Low temperature(-10°C)capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.2.3.2		2024-06-21
		8	High temperature(40°C)capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.2.3.3		2024-06-21
		9	I ₂ (A)discharge capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.2.3.4		2024-06-21
		10	Charge retention	《Electric bicycles-cell or battery and chargers Part 2:metal-hydrde Ni-ion batteries and chargers》 QB/T 2947.2-2008		2024-06-21



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				6.1.3		
		11	Cycle	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.4		2024-06-21
		12	Vibration	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.5		2024-06-21
		13	Overcharge	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.2		2024-06-21
		14	Overdischarge	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.3		2024-06-21
		15	Steady damp-heat	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.4		2024-06-21
		16	High and low temperature shock	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.5		2024-06-21
		17	Reverse charge	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.8		2024-06-21
	Li-ion batteries	18	Safety valve working performance	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 6.1.6.12		2024-06-21
		1	Polarity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.1.2		2024-06-21



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		2	Dimension	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.1.3		2024-06-21
		3	Mass	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.1.4		2024-06-21
		4	OCV	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.2.1		2024-06-21
		5	Operation current	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.2.2		2024-06-21
		6	Room temperature capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.2.3.1		2024-06-21
		7	Low temperature(-10°C)capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.2.3.2		2024-06-21
		8	High temperature(40°C)capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.2.3.3		2024-06-21
		9	I ₂ (A)discharge capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.2.3.4		2024-06-21
		10	Charge retention	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.3		2024-06-21
		11	Cycle	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.4		2024-06-21
		12	Vibration	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.5		2024-06-21
		13	Overcharge	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.2		2024-06-21
		14	Overdischarge	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		15	Steady damp-heat	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.4		2024-06-21
		16	High and low temperature shock	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.5		2024-06-21
		17	Reverse charge	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 6.1.6.8		2024-06-21
44	The special type power device of the explosion-proof of the colliery uses the lead-acid battery	1	Polarity	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.2.2		2024-06-21
		2	Dimension	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.2.3		2024-06-21
		3	Structure	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.3		2024-06-21
		4	Gas emission	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.4		2024-06-21
		5	Hydrogen precipitation	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.6		2024-06-21
		6	Vibration	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.1		2024-06-21
		7	Resistance to impact of container	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.11		2024-06-21
		8	Permeability of container	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.12		2024-06-21
		9	Special vent bolt permeability	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.13		2024-06-21
		10	Resistance to impact of special vent	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.14		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	Hydrophobicity of special vent	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 5.15		2024-06-21
45	Lead-acid batteries for stationary valve-regulated	1	Structure	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 5.1		2024-06-21
		2	polarity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.5		2024-06-21
		3	mass	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.3		2024-06-21
		4	Dimension	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.4		2024-06-21
		5	Sealing test	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.6		2024-06-21
		6	Durability of imformation and warning marking	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.26		2024-06-21
		7	Capability	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.17		2024-06-21
		8	Balance of terminal voltage	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.16		2024-06-21
		9	Connection performance of cells	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.18		2024-06-21
		10	Gas evolution quantity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.7		2024-06-21
		11	Safety valve test	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.12		2024-06-21
		12	Rechargeablity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.2		2024-06-21



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		№	Item/ Parameter			
		13	Charge retention	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.19		2024-06-21
		14	Low temperature sensitivity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.25		2024-06-21
		15	ISC AND dcR	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.9		2024-06-21
		16	Cycle	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.21		2024-06-21
		17	Float durability at 40°C	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.22		2024-06-21
		18	Float durability at 60°C	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.23		2024-06-21
		19	Thermal runaway sensitivity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.24		2024-06-21
		20	Acid fog resistance	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.11		2024-06-21
		21	Grounded short circuit resistance	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.13		2024-06-21
		22	High-current resistance	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.8		2024-06-21
		23	Anti mechanical damage	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.15		2024-06-21
		24	Explosion-proof capability	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 6.1		2024-06-21
46	Lead-acid starter batteries	1	Micro-hybrid test	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 7.1		2024-06-21



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		№	Item/ Parameter			
		2	Dynamic Charge acceptance test	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 7.2		2024-06-21
		3	Endurance in cycle test with 17.5 % depth of discharge	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 7.3		2024-06-21
		4	Endurance in cycle test with 50 % depth of discharge (DoD) at 40 °C and preceded deep discharge	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 7.4		2024-06-21
47	civil lead-acid battery	1	Discharge of high temperature	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.3		2024-06-21
		2	Overcharge	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.4		2024-06-21
		3	High temperature tolerance	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.8		2024-06-21
		4	Protection against electric shock	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.11		2024-06-21
		5	Insulating	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.12		2024-06-21
48	lithium-ion battery pack used in solar street lamp	1	capacity(25°C)	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.1		2024-06-21
		2	capacity at low temperature	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.2		2024-06-21
		3	capacity retention and recover	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.3		2024-06-21
		4	temperature cycling	《Technical specification for lithium-ion battery pack used in		2024-06-21



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				solar street lamp》 CQC1126-2017 4.3.5		
		5	vibration	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.6		2024-06-21
		6	stress relief	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.8		2024-06-21
		7	high temperature	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.10		2024-06-21
		8	flame retardant requirement	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.12		2024-06-21
		9	overvoltage charge control	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.13.1		2024-06-21
		10	overcurrent charge control	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.13.2		2024-06-21
		11	under voltage control	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.13.3		2024-06-21
		12	overcurrent discharge control	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.13.4		2024-06-21
		13	reverse charge control	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.13.6		2024-06-21
		14	overheating control	《Technical specification for lithium-ion battery pack used in solar street lamp》 CQC1126-2017 4.3.13.7		2024-06-21
49	Valve-regulated lead-acid batteries for moped	1	Dimension	《Valve-regulated lead-acid batteries for moped-Part2:Kinds of products and specifications》 GB/T 22199.2-2017		2024-06-21
		2	2hr capacity	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.5		2024-06-21



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		3	High rate discharge	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.6		2024-06-21
		4	Capacity retention	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.7		2024-06-21
		5	Energy density	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.8		2024-06-21
		6	-18°C performance	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.9.1		2024-06-21
		7	-10°C performance	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.9.2		2024-06-21
		8	High speed charge capability	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.10		2024-06-21
		9	Reliability of life	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.11		2024-06-21
		10	Cycle life	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.12		2024-06-21
		11	Valve open and close pressure	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.13		2024-06-21
		12	Vibration	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.15		2024-06-21
		13	Explosion-proof capability	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.16		2024-06-21
		14	Polarity	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 4.1.4		2024-06-21
		15	Constant power discharge capability	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.18		2024-06-21



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		№	Item/ Parameter			
50	Lithium-ion batteries for electric mopeds	1	overcharge protection	《Lithium-ion traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.15		2024-06-21
		2	overdischarge protection	《Lithium-ion traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.16		2024-06-21
		3	over-temperature protection	《Lithium-ion traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.13		2024-06-21
		4	insulation resistance of battery system	《Electrically propelled road vehicles-Safety specifications-Part 1: On-board rechargeable energy storage system (REESS)》 GB/T 18384.1-2015 5.1.4		2024-06-21
51	Lithium-ion batteries for electric mopeds		Part parameter	《Lithium-ion battery for electric mopeds and motorcycles》 GB/T 36672-2018	except for external fire、power line、control line.high altitude、impact、short-circuit protection、seawater immersion、drop test in Dongting	2024-06-21



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52	Lithium-ion battery for electric bicycle		Part parameter	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018	over charge、forced discharge、external short circuit、extrusion、mechanical shock、free fall、infrabar、soaking water、electrostatic discharge、flame-resistance of shell test in Dongting	2024-06-21
53	Lithium ion battery for electrical energy storage		Part parameter	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018	short circuit test、squeezing test、drop test、low pressure test、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					thermal runaway test、Heat runaway diffusion test in Dongting	
54	Valve-regulated lead-acid batteries for moped		all parameter	《Valve-regulated lead-acid batteries for moped》 T/ZJXDC 001-2018	external short-circuit、shock test in Dongting	2024-06-21
55	Lead-acid traction batteries		all parameter	《Lead-acid traction batteries Part 1: Technical conditions》 GB/T 7403.1-2018		2024-06-21
56	Secondary lithium-ion cells for the propulsion of electric road vehicles		All Parameters	《Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1:Performance testing》 IEC 62660-1-2018		2024-06-21
57	Secondary lithium-ion cells for the propulsion of electric road vehicles		All Parameters	《Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2:Reliability and abuse testing》 IEC 62660-2-2018		2024-06-21
58	Container and lid for lead-		Part of Parameters	《Container and lid for lead-acid storage batteries》 GB/T 23754-2019	Test Only Appearance	2024-06-21



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	acid storage batteries				、Resistance to impact、Thermal stability、Flame retardancy	
59	Nickel-cadmium		All Parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Portable sealed rechargeable single cells-Part 1:Nickel-cadmium》 IEC 61951-1-2017		2024-06-21
60	Nickel-metal hydride		All Parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Portable sealed rechargeable single cells-Part 2:Nickel-metal hydride》 IEC 61951-2-2017		2024-06-21
61	Lead-acid starter batteries		All Parameters	《Lead-acid starter batteries Part 1: General requirements and methods of test》 IEC 60095-1-2018		2024-06-21
62	Batteries for use in light electric vehicle (LEV)		all parameters	《Batteries for use in light electric vehicle (LEV) applications》 UL 2271-2018	short circuit、over-charging、over-discharging、shock、crush test、drop carry out at Dongting	2024-06-21
63	Batteries for use in light electric vehicle	1	isolation resistance method	《Electrically propelled road vehicles-Safety specifications- Part 3: Electrical safety》 ISO 6469-3-2018 10.3		2024-06-21



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	(LEV)	2	thermal cycling test	《Electric and hybird electric vehicle rechargeable energy storage system (Ress) safety and abuse testing》 SAE J2464-2009 4.4.4		2024-06-21
64	LiFePO4 battery system for telecommunications		all parameters	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T2344.1-2011	heavy impact test、heat shock test、over charge test、over discharge test、short circuit test、dry heat storage、heating test、acupunctur e test、crushing test、low pressure test、shock test、electrostatic discharge immunity test、	2024-06-21

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					conductive disturbance limit、surge immunity test carry out at Dongting	
65	LiFePO4 battery system for telecommunications		all parameters	《LiFePO4 battery system for telecommunications-part2:discrete battery system》 YD/T2344.2-2015	acupuncture test、crushing test、external short circuit、electrostatic discharge immunity test、conductive disturbance limit、radioactive disturbance limit、surge immunity test carry out at Dongting	2024-06-21



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66	LiFePO ₄ battery system for telecommunications	1	cold test for non heat-dissipating specimens with gradual change of temperature	《Environmental testing for electric and electronic products-Part : Test methods-Test A: Cold》 GB/T2423.1-2001 18	only quoted by standard YD/T2344.2-2015	2024-06-21
		2	cold test for heat-dissipating specimens with gradual change of temperature	《Environmental testing for electric and electronic products-Part : Test methods-Test A: Cold》 GB/T2423.1-2001 29	only quoted by standard YD/T2344.2-2015	2024-06-21
		3	dry heat test for non heat-dissipating specimens with gradual change of temperature	《Environmental testing for electric and electronic products-Part : Test methods-Test B: Dry heat》 GB/T2423.2-2001 18	only quoted by standard YD/T2344.2-2015	2024-06-21
67	Lithium cobalt oxide		part of parameters	《Lithium cobalt oxide》 GB/T 20252-2014	except for crystal structure; water content carry out at Dongting	2024-06-21
68	Lithium cobalt oxide	1	discharge specific capacity of the first cycle	《electrochemical performance test of lithium cobalt oxide-Test method for specific capacity and charge-discharge efficiency of the first cycle》 GB/T 23365-2009 5.1	revoked and retained, which can only be used when referenced.	2024-06-21
		2	charge-discharge efficiency of the	《electrochemical performance test of lithium cobalt oxide-Test method for specific capacity and charge-discharge efficiency of	revoked and retained,	2024-06-21



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			first cycle	the first cycle》 GB/T 23365-2009 5.2	which can only be used when referenced.	
		3	discharge plateau capacity ratio	《electrochemical performance test of lithium cobalt oxide-Test method for discharge plateau capacity ratio and cycle life》 GB/T 23366-2009 5.6		2024-06-21
		4	cycle life	《electrochemical performance test of lithium cobalt oxide-Test method for discharge plateau capacity ratio and cycle life》 GB/T 23366-2009 5.7		2024-06-21
		5	cobalt content	《Methods for chemical analysis of lithium cobalt oxide-Part 1: Determination of cobalt content-EDTA titration》 GB/T23367.1-2009 5.4		2024-06-21
		6	lithium, nickel, manganese, aluminium, iron, sodium, calcium and copper content	《Methods for chemical analysis of lithium cobalt oxide-Part 2: Determination of lithium, nickel, manganese, aluminium, iron, sodium, calcium and copper content. Inductively coupled plasma atomic emission spectrometry》 GB/T23367.2-2009 6.4		2024-06-21
69	carbon composite lithium iron phosphate		part of parameters	《Lithium iron phosphate-carbon composite cathode materials for lithium ion battery》 GB/T 30835-2014	except for crystal structure; water content carry out at Dongting	2024-06-21
70	Lithium nickel oxide		part of parameters	《Lithium nickel oxide》 GB/T 26031-2010	except for crystal structure; water	2024-06-21



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					content carry out at Dongting	
71	Lithium nickel cobalt manganese oxide		part of parameters	《Lithium nickel cobalt manganese oxide》 YS/T 798-2012	except for crystal structure; water content carry out at Dongting	2024-06-21
72	Lithium nickel cobalt aluminum oxide	1	chemical components	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry; General rules for atomic absorption spectrometric analysis; The methods for chemical analysis of nickel-Determination of iron content-Sulfosalicylic acid spectrophotometric method》 GB/T 23942-2009 、 GB/T 15337-2008、 GB/T 8647.1-2006 5.1		2024-06-21
		2	residual Alkali content	《Chemical reagent-General method for the determination of acidity and alkalinity》 GB/T 9736-2008 5.3		2024-06-21
		3	magnetic impurities content	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 5.4		2024-06-21
		4	tap density	《Metallic powders-Determination of tap density》 GB/T 5162-2006 5.7.1	revoked and retained, which can only be used when referenced.	2024-06-21
		5	particle size analysis	《Particle size analysis-Laser diffraction methods》 GB/T 19077-2016 5.7.2		2024-06-21
		6	specific surface area	《Metallic powder-Determination of the specific surface area-		2024-06-21

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				Method of nitrogen adsorption》 GB/T 13390-2008 5.7.3		
		7	pH value	《General methods of test for pigments and extenders—Part 6:Determination of pH value of an aqueous suspension》 GB/T 5211.6-2020 5.7.4		2024-06-21
		8	discharge specific capacity of the first cycle	《electrochemical performance test of lithium cobalt oxide-Test method for specific capacity and charge-discharge efficiency of the first cycle》 GB/T 23365-2009 5.8.1	revoked and retained, which can only be used when referenced.	2024-06-21
		9	charge-discharge efficiency of the first cycle	《electrochemical performance test of lithium cobalt oxide-Test method for specific capacity and charge-discharge efficiency of the first cycle》 GB/T 23365-2009 5.8.2	revoked and retained, which can only be used when referenced.	2024-06-21
		10	cycle life	《electrochemical performance test of lithium cobalt oxide-Test method for discharge plateau capacity ratio and cycle life》 GB/T 23366-2009 5.8.3		2024-06-21
73	Graphite negative electrode materials for lithium ion battery		part of parameters	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2019	except for interplanar spacing d002 and graphitization degree, no graphite orientation, no organic	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					compound content; water content carry out at Dongting	
74	Lithium titanium oxide and its carbon composite anode materials for lithium ion battery		part of parameters	《Lithium titanium oxide and its carbon composite anode materials for lithium ion battery》 GB/T 30836-2014	water except for crystal structure、anatase TiO2 peak intensities ratio、Rutile TiO2 peak intensities ratio; content carry out at Dongting	2024-06-21
75	Lithium titanium oxide and its carbon composite anode materials for lithium ion battery	1	true density	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.7	only quoted by standard GB/T 30836-2014	2024-06-21
		2	coulombic efficiency of the first cycle	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.9	only quoted by standard GB/T 30836-	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					2014	
		3	reversible specific capacity of the first cycle	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.10	only quoted by standard GB/T 30836-2014	2024-06-21
		4	iron content	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2019 6.11	only quoted by standard GB/T 30836-2014	2024-06-21
		5	negative ion (Cl ⁻ , SO ₄ ²⁻) content	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2019 6.12	only quoted by standard GB/T 30836-2014	2024-06-21
		6	magnetic impurities content	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.14	only quoted by standard GB/T 30836-2014、 GB/T 20252-2014	2024-06-21
		7	powder compacted density	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.15	only quoted by standard GB/T 30836-2014、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					GB/T 30835-2014	
		8	magnetic impurities	《Determination of magnetic impurities in anode nanomaterials for Li-ion battery》 GB/T 33827-2017 8		2024-06-21
76	cell liquor of lithium hexafluorophosphate		all parameters	《Analytic method for lithium hexafluorophosphate》 GB/T 19282-2014		2024-06-21
77	cell liquor of lithium hexafluorophosphate		all parameters	《Cell liquor of lithium hexafluorophosphate》 HG/T 4067-2015		2024-06-21
78	solvent for electrolyte solution used in lithium ion battery		all parameters	《solvent for electrolyte solution used in lithium ion battery》 SJ/T 11568-2016		2024-06-21
79	cell separation		part of parameters	《General test methods of the fundamental properties of alkaline battery membrane》 SJ/T 10171-2016	except for area resistance, alkali absorption ratio (semipermeable membrane), maximum aperture, acetic acid	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					binding capacity	
80	cell materials	1	pH value	《General methods of test for pigments and extenders—Part 6:Determination of pH value of an aqueous suspension》 GB/T 5211.6-2020 3 《chemical reagent-General rule for the determination of pH》 GB/T 9724-2007 6		2024-06-21
		2	residual Alkali content	《Chemical reagent-General method for the determination of acidity and alkalinity》 GB/T 9736-2008 5		2024-06-21
		3	specific surface area	《Metallic power-Determination of the specific surface area-Method of nitrogen adsorption》 GB/T 13390-2008 7		2024-06-21
		4	BET specific surface area	《Determination of the specific surface area of solids by gas adsorption using the BET method》 GB/T 19587-2017 6.3.1		2024-06-21
		5	carbon content	《Steel and iron-Determination of total carbon and sulfur content Infrared absorption method after combustion in an induction furnace (routine method)》 GB/T 20123-2006 8		2024-06-21
		6	content of fixed carbon	《method for chemical analysis of graphite》 GB/T 3521-2008 4.4		2024-06-21
		7	chromaticity	《Color determination method of liquid chemicals (Hazen unit-platinum-cobalt scale)》 GB/T 3143-1982 5		2024-06-21
		8	residual Alkali content	《methods for testing underground water quality: determination of carbonate, bicarbonate and hyfroxy-titration 》 DZ/T 0064.49-2021 4		2024-06-21
81	seperation	1	air permeability	《Paper and board- Determination of air permeance》 GB/T 458-2008 4		2024-06-21
82	primary and secondary lithium cells		all parameters	《safety of primary and secondary lithium cells and batteries during transport》 GB21966-2008 IEC 62281 : 2004	altitude、 shock、 short	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	and batteries				circuit、over-charging、forced discharging、heavy impact、falling carry out at Dngting	
83	secondary cells and batteries containing alkaline or other non-acid electrolytes		all parameters	《secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133: 2002	incorrect installation of a cell (nickel systems only)、free fall、external short circuit、mechanical shock (crash hazard)、thermal abuse、crushing of cells、low pressure、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					overcharge for nickel systems、overcharge for lithium system、forced discharge 、 cell protection against a high charging rate (lithium system only) carry out at Dongting	
84	Secondary cells and batteries containing alkaline or other non-acid electrolytes		all parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary sealed cells and batteries for portable applications – Part 1: Nickel-cadmium》 GB/T 22084.1-2008 IEC 61951-1: 2003		2024-06-21
85	secondary cells and batteries containing alkaline or		all parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries》 GB/T 28163-2011 IEC 61959: 2004	free fall carry out at Dongting	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	other non-acid electrolytes					
86	secondary cells and batteries containing alkaline or other non-acid electrolytes		all parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications》 GB/T 30426-2013 IEC 61960: 2003	electrostatic discharge at Dongting	2024-06-21
87	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	mechanical tests	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary sealed cells and batteries for portable applications – Part 1: Nickel-cadmium》 IEC 61959: 2004 8		2024-06-21
		2	electrostatic discharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications》 GB/T17626.2-2006 7.7		2024-06-21
88	lithium batteries		all parameters	《Tests for lithium batteries transported by air》 MH/T 1052-2013	Altitude、shock test、external short circuit、shock、crushing test、overcharge test、forced discharge test、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					package 1.2m free fall test carry out at Dongting	
89	Lithium-ion cells for electric vehicles		all parameters	《safety inspection of import and export secondary cells and batteries-Part 5: Lithium-ion cells for electric vehicles》 SN/T 1414.5-2016	short circuit、 over- charging、 forced discharging 、 machanical shock、 crushing carry out at Dongting	2024-06-21
90	Lithium-ion cells for electric vehicles	1	vibration	《environmental testing-Part2-64: Test Fh: Vibration, broadband random and guidance》 IEC 60068-2-64-2008 8		2024-06-21
91	traction battery used in electric vehicle		all parameters	《recycling traction battery used in electric vehicle-Test of residual capacity》 GB/T 34015-2017		2024-06-21
92	traction battery system for electric vehicles		all parameters	《General requirement of traction battery system for electric vehicles》 QC/T 1023-2015		2024-06-21
93	battery material		Part of parameters	《Lithium iron phosphate》 YS/T 1027-2015	except for crystal	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					structure、 water content carry out at Dongting	
94	battery material		Part of parameters	《Lithium-riched manganese cathode material》 YS/T 1030-2017	except for crystal structure、 water content carry out at Dongting	2024-06-21
95	battery material		Part of parameters	《Lithium manganese oxide》 YS/T 677-2016	except for crystal structure、 water content carry out at Dongting	2024-06-21
96	Lithium manganese oxide		all parameters	《Aluminum case for power lithium battery》 YS/T 914-2013		2024-06-21
97	Adhesive tapes for electrode protect in lithium battery		Part of parameters	《Adhesive tapes for electrode protect in lithium battery》 HG/T 5055-2016	except for halogen	2024-06-21
98	Nickel foam for battery		Part of parameters	《Nickel foam for battery》 GB/T 20251-2006	except for mechanical property、 physical	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					property	
99	copper foil		all parameters	《Electrodeposited copper foil for lithium ion battery》 SJ/T 11483-2014		2024-06-21
100	Aluminium and aluminium alloy foil	1	chemical composition	《Chemical composition of wrought aluminium and aluminium alloys》 GB/T3190-2020 4.1		2024-06-21
		2	dimensional deviation	《Test methods for aluminium and aluminium alloy foils-Part 1:Determination of thickness by gravimetric method》 GB/T 22638.1-2008 4.2.2	revoked and retained, which can only be used when referenced.	2024-06-21
		3	surface wetting tension	《Test methods for aluminium and aluminium alloy foils-Part 4:Determination of surface wetting tension》 GB/T 22638.4-2008 4.3	revoked and retained, which can only be used when referenced.	2024-06-21
		4	tensile mechanical properties at room temperature	《Test pieces and method for tensile test for wrought aluminium and magnesium alloys products》 GB/T 16865-2013 4.6	revoked and retained, which can only be used when referenced.	2024-06-21
		5	pinhole	《Test methods for aluminium and aluminium alloy foils-Part 2:Determination of porosity》 GB/T 22638.2-2008 4.7	revoked and retained, which can only be used when referenced.	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
101	battery for electric vehicles		all parameters	《Dimension of traction battery for electric vehicles》 GB/T 34013-2017		2024-06-21
102	Battery system of multi-rotor unmanned aircraft		Part of parameters	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019	Accredited only for battery system test,,except for overcharge 、 overdischarge、 short-circuit 、 low pressure 、 drop、 crush、 excessive heat、 soak carry out	2024-06-21
103	Lithium ion battery		Part of parameters	《General specification for Li-ion batteries》 GJB 4477-2002	except for electromagnetic radiation resistance 、 bolt、 shock、 vibrate、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					drop、 temperature shock、 immersion 、 short- circuit、 overcharge 、 crush、 acupunctur e、 overdischar ge	
104	Lithium ion battery		Part of parameters	《Ceneral specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018	except for vibrate、 overdischar ge recovery characterist ics、 overcharge 、 short- circuit、 drop test、 heat test、 crush、 acupunctur e test、 sealing property during	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					lifting	
105	battery management system		Part of parameters	《Technical specifications of battery management system for electric vehicles》 GB/T38661-2020	except for conducted disturbance 、 radiation disturbance 、 transient conducted immunity of power line、 transient conducted immunity of signal line / control line、 electrical fast transient burst immunity 、 radiated immunity 、 electrostatic discharge	2024-06-21

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		№	Item/ Parameter			
					、 short circuit protection sinusoidal vibration、 random vibration、 mechanical impact	
106	portable source		Part of parameters	《Information technology—General specification for portable digital equipments used power bank》 GB/T35590-2017	except for overcharge protection 、 over discharge protection 、 short circuit protection 、 overload protection 、 vibration、 collision、 free fall ; flame retardant material、 radio	2024-06-21



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		№	Item/ Parameter			
					disturbance 、 immunity carry out at dongting	
107	Lithium ion battery management system		all parameters	《Technical standard for battery management system of electrochemical energy storage station》 GB/T34131-2017	electrostatic discharge immunity test、 electrical fast transient burst immunity test、 surge (impact) radiation immunity test、 power frequency magnetic field immunity test、 shock wave immunity carry out at dongting	2024-06-21
108	battery management		all parameters	《Functional safety requirements and testing methods for battery management system of electric vehicles》 GB/T39086-2020		2024-06-21



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		№	Item/ Parameter			
	system					
109	lead-acid batteries		Part of parameters	《Valve-regulated lead-acid batteries for electric bicycle》 T/ZJXDC 001-2021	flame retardant carry out at dongting, except for external short circuit、shock	2024-06-21
110	Lithium Ion Batteries		Part of parameters	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016	except for overdischarge、overcharge、short circuit、drop、crush	2024-06-21
111	Lithium-ion Traction Battery Of Electric Vehicles		Part of parameters	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016	except for overcharge、overdischarge、short-circuit、drop、heat、pathergytes t、vibrate、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					overcharge protection 、 overdischarge protection 、 short-circuit protetion、 overload protection 、 high temperature operation test、 low temperature operation test、 temperature control system failure test、 insulation resistance 、 power frequency withstand voltage、	

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		№	Item/ Parameter			
					shock、 vibrate、 immersion、 conducted emission limit values、 radiated Emission limit、 surge immunity carry out at dongting	
112	Lead-carbon battery		Part of parameters	《Lead-carbon battery for electrical energy storage》 GB/T 36280-2018	Flame retardant carry out at dongting,ex cept for short circuit protection	2024-06-21
113	battery material	1	thickness	《Test method for thickness of adhesive tapes》 GB/T 7125-2014 5.2.3		2024-06-21
		2	peel adhesion	《Measurement of peel adhesion properties for adhesive tapes》 GB/T 2792-2014 5.3.1		2024-06-21
		3	tensile strength and elongation after fracture	《Metallic materials-Tensile testing-Part 1:Method of test at room temperature》 GB/T 228.1-2021 20		2024-06-21
		4	copper and copper alloys	《Methods for chemical analysis of copper and copper alloys-		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Part 1:Determination of copper content》 GB/T 5121.1-2008 1.6		
		5	aluminium and aluminium alloy foils	《Test methods for aluminium and aluminium alloy foils-Part 4:Determination of surface wetting tension》 GB/T 22638.4-2008 6	revoked and retained, which can only be used when referenced.	2024-06-21
		6	wrought aluminium and aluminium alloys	《Chemical composition of wrought aluminium and aluminium alloys》 GB/T3190-2020 3.3		2024-06-21
		7	aluminium and aluminium alloy foils	《Test methods for aluminium and aluminium alloy foils-Part 1:Determination of thickness by gravimetric method》 GB/T 22638.1-2008 4	revoked and retained, which can only be used when referenced.	2024-06-21
		8	chemical components	《Methods for chemical analysis of lithium nickel cobalt manganese--Part 2: Determination of lithium, nickel,cobalt,manganese,sodium,magnesium,aluminium,potassium,copper,calcium,iron,zinc and silicon content--Inductively coupled plasma atomic emission spectrometry》 YS/T 1006.2-2014 5.1		2024-06-21
		9	wrought aluminium and magnesium alloys products	《Test pieces and method for tensile test for wrought aluminium and magnesium alloys products》 GB/T 16865-2013 6	revoked and retained, which can only be used when referenced.	2024-06-21



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		№	Item/ Parameter			
		10	aluminium and aluminium alloy foils	《Test methods for aluminium and aluminium alloy foils-Part 2:Determination of porosity》 GB/T 22638.2-2008 6	revoked and retained, which can only be used when referenced.	2024-06-21
114	Electric Vehicles Traction Battery	1	Damp heat cycle	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.5		2024-06-21
115	Lithium ion cells and batteries used in stationary electronic equipments	1	All parameters	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021	electrostatic discharge carry out at chunxindong road; High temperature external short circuit (battery)、Overcharge (battery)、Forced discharge (battery)、Low pressure (battery)、Vibration (battery)、	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Acceleration shock (battery)、Drop (battery)、Heavy impact/extrusion (battery)、Heat abuse (battery)、Vibration(battery pack)、Acceleration shock (battery pack)、Drop (battery pack)at xinjin road;	
		2	Battery sample capacity test	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 4.6.3		2024-06-21
		3	Sample pretreatment	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 4.6.4		2024-06-21



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		№	Item/ Parameter			
		4	Safe working parameters	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 5.2		2024-06-21
		5	Identification requirements	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 5.3.1		2024-06-21
		6	warning specifications	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 5.3.2		2024-06-21
		7	Durability	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 5.3.3		2024-06-21
		8	Temperature cycle (battery)	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 7.2		2024-06-21
		9	Temperature cycle (battery pack)	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 8.1		2024-06-21
		10	Overvoltage charging control	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 9.3		2024-06-21
		11	Overcurrent charging control	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 9.4		2024-06-21
		12	Undervoltage discharge control	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 9.5		2024-06-21



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		13	overload control	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 9.6		2024-06-21
		14	Short circuit control	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 9.7		2024-06-21
		15	Reverse charging	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 9.8		2024-06-21
		16	Overheating control	《Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification》 GB 40165-2021 9.9		2024-06-21
116	Lithium-ion power batteries for electric bicycle	1	All parameters	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022	Overcharge of cell、 Overdischarge、 External short circuit、 Extrusion 、 Mechanical shock、 Free fall、 Low-pressure、 Immerse in water at xinjin	2024-06-21



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		№	Item/ Parameter			
					road;Shell flammability carry out at chunxindong road	
		2	Appearance	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.2.1		2024-06-21
		3	Dimensions	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.2.2		2024-06-21
		4	Charge and discharge interface	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.2.3		2024-06-21
		5	Electric shock protection	《Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements》 GB/T 11918.1-2014 9		2024-06-21
		6	Terminals and ends	《Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements》 GB/T 11918.1-2014 11		2024-06-21
		7	Socket structure	《Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements》 GB/T 11918.1-2014 15		2024-06-21
		8	Plug and connector construction	《Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements》 GB/T 11918.1-2014 16		2024-06-21
		9	Insulation resistance and electrical strength	《Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements》 GB/T 11918.1-2014 19		2024-06-21
		10	Creepage distance and electrical clearance	《Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements》 GB/T 11918.1-2014 26		2024-06-21
		11	Protection	《Degrees of protection provided by enclosure (IP code)》 GB/T 4208-2017 5/6/7		2024-06-21



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		№	Item/ Parameter			
		12	Identification	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.2.4		2024-06-21
		13	Discharge with I ₂ (A) current	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.1		2024-06-21
		14	Discharge with 2IDischarge with 2I2(A) current	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.2		2024-06-21
		15	Discharge at low temperature	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.3		2024-06-21
		16	Discharge at high temperature	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.4		2024-06-21
		17	Charge relenition capacity	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.5.1		2024-06-21
		18	Charge recovery capacity	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.5.2		2024-06-21
		19	Ability to recover under charge after long-term storage	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.6		2024-06-21
		20	Cycle life	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.3.7		2024-06-21
		21	Vibration	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.4.7		2024-06-21
		22	High and low temperature shock	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.4.10		2024-06-21
		23	Overcharge protection	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.5.2		2024-06-21
		24	Overdischarge protection	《Technical requirements of lithium-ion power batteries for		2024-06-21



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				electric bicycle》 T/BBIA 4-2022 6.5.3		
		25	Short-circuit protection	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.5.4		2024-06-21
		26	Discharge overcurrent protection	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.5.5		2024-06-21
		27	Mold shell stress	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.6.1		2024-06-21
		28	Shell stress	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.6.2		2024-06-21
		29	Data acquisition function	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.7.1		2024-06-21
		30	Overtemperature alarm function test	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.7.2.1		2024-06-21
		31	Overcurrent alarm	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.7.2.2		2024-06-21
		32	Cell overcharge alarm	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.7.2.3		2024-06-21
		33	Protection function	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.7.3		2024-06-21
		34	Communication and data upload function	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2022 6.7.4		2024-06-21
117	Valve-regulated lead-acid batteries for electric	1	All parameters	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022		2024-06-21
		2	Appearance	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.3.1		2024-06-21



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motorcycles and mopeds		3	Polarity	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 6.1.2		2024-06-21
		4	Dimension	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.3.2		2024-06-21
		5	3hr capacity	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.4		2024-06-21
		6	1hr discharge time	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.5		2024-06-21
		7	Heavy current discharge	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.6		2024-06-21
		8	Capacity preservation rate	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.7		2024-06-21
		9	Weight specific energy	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.8		2024-06-21
		10	Low temperature discharge capacity	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.9		2024-06-21
		11	Fast charging capacity test	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.1		2024-06-21
		12	Cycle durability	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.11		2024-06-21
		13	Cycle life	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.12		2024-06-21
		14	Valve pressure	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.13		2024-06-21
		15	Vibration resistance	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.14.1		2024-06-21



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		16	Explosion proof capability	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.14.2		2024-06-21
		17	Overcharge	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.14.3		2024-06-21
		18	Mechanical impact	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.14.4		2024-06-21
		19	Free fall	《Valve-regulated lead-acid batteries for electric motorcycles and mopeds》 T/ZJXDC 002-2022 7.14.5		2024-06-21
118	Valve-regulated lead-acid battery	1	shock	《Valve-regulated lead-acid batteries for moped》 T/ZJXDC 001-2021 7.14.5		2024-06-21
119	civil lead-acid battery	1	Mechanical shock	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.6		2024-06-21
		2	Reverse charge	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.13		2024-06-21
		3	Electrolyte leakage	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.14		2024-06-21
120	Lithium ion battery	1	Temperature shock	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.11		2024-06-21
121	Household and Commercial Batteries	1	Temperature Cycling Test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 28		2024-06-21
122	Lithium Batteries	1	Temperature Cycling Test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 18		2024-06-21
123	Lithium metal and lithium ion batteries	1	Thermal test	《RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.2		2024-06-21



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124	Power cell fuel cell	1	Test method for energy density (PED) of power batteries	《Test method for relevant technical indexes of power cell and fuel cell (Trial)》 Letter of central Government No.2[2017] 1.2		2024-06-21
		2	Test method for maximum charge rate (CR) of power battery (including supercapacitor)	《Test method for relevant technical indexes of power cell and fuel cell (Trial)》 Letter of central Government No.2[2017] 2.2		2024-06-21
125	Electric Vehicles Traction Battery	1	Temperature shock	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.8		2024-06-21
126	ultra-capacity for electric vehicles		all parameters	《ultra-capacity for electric vehicles》 QC/T741-2014	over discharging、 short circuit、 over-charging、 falling、 heating、 crushing、 acupunctur e test、 sea water immersion carry out at Dongting	2024-06-21
127	power supercapacitor		all parameters	《Power supercapacitor electrical performance test methods》		2024-06-21



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				SJ/T11582-2016		
128	Electric double-layer capacitors for use in hybrid electric vehicles		all parameters	《Electric double-layer capacitors for use in hybrid electric vehicles - Test methods for electrical characteristics》 IEC 62576: 2018		2024-06-21
129	electrical and electronic	1	Insulation strength test	《Electric vehicles—Safety specification Part 3: Protection of persons against electric hazards》 GB/T18384.3-2001 6.2		2024-06-21
		2	Electrical safety of the whole machine	《Information technology equipment—Safety—Part1:General requirements》 GB4943.1-2011 4.2.6		2024-06-21
		3	Stress relief	《Information technology equipment—Safety—Part1:General requirements》 GB4943.1-2011 4.2.7		2024-06-21
		4	Restricted power supply	《Information technology equipment—Safety—Part1:General requirements》 GB4943.1-2011 2.5		2024-06-21
		5	Low temperature performance	《Road vehicles—Environmental conditions and testing for electrical and electronic equipment—Part4: CLimatic loads》 GB/T28046.4-2011 5.1.1		2024-06-21
		6	High temperature performance	《Road vehicles—Environmental conditions and testing for electrical and electronic equipment—Part4: CLimatic loads》 GB/T28046.4-2011 5.1.2		2024-06-21
		7	temperature gradient	《Road vehicles—Environmental conditions and testing for electrical and electronic equipment—Part4: CLimatic loads》 GB/T28046.4-2011 5.2		2024-06-21
		8	Temperature cycle	《Road vehicles—Environmental conditions and testing for electrical and electronic equipment—Part4: CLimatic loads》 GB/T28046.4-2011 5.3.1		2024-06-21



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		9	Salt spray resistance	《Road vehicles—Environmental conditions and testing for electrical and electronic equipment—Part4: CLimatic loads》 GB/T28046.4-2011 5.5.2		2024-06-21
		10	Damp heat cycle	《Road vehicles—Environmental conditions and testing for electrical and electronic equipment—Part4: CLimatic loads》 GB/T28046.4-2011 5.6.2.2		2024-06-21
		11	leakage current	《Information technology equipment—Safety—Part 1:General requirements》 GB4943.1-2011 5.1		2024-06-21
		12	leakage current	《Information technology equipment—Safety—Part 1:General requirements》 GB4943.1-2011 5.2		2024-06-21
		13	thermal cycling test(LER motive application)	《Standard For Safety: Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 35		2024-06-21
		14	resistance to moisture test	《Degrees of protection provided by enclosures (IP Code)》 IEC 60529-2013 36		2024-06-21
		15	salt fog test	《Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)》 IEC 60068-2-52-2017 37		2024-06-21
		16	salt spray test	《Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)》 IEC 60068-2-52-2017 40		2024-06-21
		17	temperature cycle/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.1.6		2024-06-21
		18	temperature shock/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.8		2024-06-21
		19	salt fog/pack(system)	《Road vehicles-Environmental conditions and testing for electrical and electronic equipment-Part 4:Climatic loads》 GB/T 28046.4-2011 8.2.9		2024-06-21
130	Lead-acid battery		Cadmium	《Determination method for cadmium in lead-acid battery》 JB/T 11236-2021 9.2		2024-06-21



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		№	Item/ Parameter			
131	Lead-acid battery for starting		All parameters	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023		2024-06-21
		1	Battery model, size, terminal appearance and polarity	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.3		2024-06-21
		2	20 hour rate capacity	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.4.1		2024-06-21
		3	Reserve capacity	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.4.2		2024-06-21
		4	Low temperature starting ability at -18℃	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.5.1		2024-06-21
		5	Low temperature starting ability at -29℃	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.5.2		2024-06-21
		6	Charging acceptance ability	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.6		2024-06-21
		7	Charge retention capacity	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.7		2024-06-21
		8	Electrolyte retention capacity	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.8		2024-06-21
		9	High temperature erosion	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.9.1		2024-06-21
		10	Cyclic durability I	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.9.2		2024-06-21
		11	Cyclic durability II	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.9.3		2024-06-21



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		12	Cyclic durability III	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.9.4		2024-06-21
		13	Cyclic durability IV	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.9.5		2024-06-21
		14	Water loss	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.10		2024-06-21
		15	Vibration resistance	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.11		2024-06-21
		16	Starting ability of dry charged (or wet charged) battery	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.12		2024-06-21
		17	Gas tightness	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.13		2024-06-21
		18	Dry charged (or wet charged) batteries are stored without electrolyte.	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.14		2024-06-21
		19	Deep discharge recovery ability	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.15		2024-06-21
		20	Cycle capacity of parking condition	《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.16		2024-06-21
132	Lead-acid battery for starting		All parameters	《Lead-acid starter batteries—Part 2: Dimensions of batteries and dimensions and marking of terminals》 GB/T5008.2-2023		2024-06-21
133	Lead-acid battery for starting		All parameters	《Lead-acid starter batteries—Part 3: Kinds of products and specifications and dimensions and marking of terminals for heavy vehicles》 GB/T5008.3-2023		2024-06-21



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134	Start and stop lead-acid batteries		All parameters	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023		2024-06-21
		1	Battery model, size, terminal polarity and identification	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.1		2024-06-21
		2	Battery weight	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.2		2024-06-21
		3	Capacity	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.5		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.4		2024-06-21
		4	Low temperature starting ability at -18℃	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.6		2024-06-21
		5	Low temperature starting ability at -29℃	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.7		2024-06-21
		6	Static charging acceptance ability	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.8		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.6		2024-06-21
		7	Dynamic charging acceptance ability	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.9		2024-06-21
		8	Charge retention capacity	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.10		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.7		2024-06-21



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		9	High temperature erosion	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.11.1		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.9.1		2024-06-21
		10	50 %DoD cyclic discharge capacity	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.11.2		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.9.3		2024-06-21
		11	17.5% DoD cyclic discharge capacity	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.11.3		2024-06-21
		12	Microcirculation (start-stop circulation ability)	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.11.4		2024-06-21
		13	Vibration resistance	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.12		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.11		2024-06-21
		14	Electrolyte retention capacity	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.13		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.8		2024-06-21
		15	Water loss	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.14		2024-06-21
				《Lead-acid starter batteries—Part 1: Technical conditions and methods of test》 GB/T5008.1-2023 5.10		2024-06-21
		16	Thermostability	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.15		2024-06-21



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		17	Terminal torsion resistance	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.16		2024-06-21
		18	Handle strength	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.17 《Lead-acid starter batteries -Part 5: Properties of battery housings and handles》 EN50342-5: 2010 4.4.4		2024-06-21
		19	Safety ability	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.18		2024-06-21
		20	Overdischarge capacity	《Lead-acid battery for start-stop—Technical conditions》 GB/T43346-2023 5.3.19		2024-06-21
			All parameters	《Specification for Seismic Test for Power Supply Equipment for Telecommunications》 YD/T 5096-2016		2024-06-21
135	Battery equipment	1	Observational check	《Specification for Seismic Test for Power Supply Equipment for Telecommunications》 YD/T 5096-2016 4.2.1、4.3.1、4.4.1		2024-06-21
		2	Volume test	《Specification for Seismic Test for Power Supply Equipment for Telecommunications》 YD/T 5096-2016 4.2.2、4.3.2、4.4.2		2024-06-21
		3	Air tightness test	《Specification for Seismic Test for Power Supply Equipment for Telecommunications》 YD/T 5096-2016 4.2.3、4.3.3		2024-06-21
		4	Monitoring function test of management system	《Specification for Seismic Test for Power Supply Equipment for Telecommunications》 YD/T 5096-2016 4.4.3		2024-06-21
136	Valve-controlled lead-acid battery with front terminal for communication		All parameters	《Front terminal valve-regulated lead acid battery》 YD/T 2343-2020	Flame retardant properties of shell materials is being developed	2024-06-21



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					on Xinjin Road.	
		1	Structure	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.3		2024-06-21
		2	Exterior	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.3		2024-06-21
		3	Centralized exhaust system	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.4		2024-06-21
		4	Gas tightness	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.6		2024-06-21
		5	Capacity	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.7		2024-06-21
		6	Safety valve requirements	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.8		2024-06-21
		7	Charging efficiency	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.9		2024-06-21
		8	Gas precipitation	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.10		2024-06-21
		9	High current discharge	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.11		2024-06-21
		10	Capacity retention rate	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.12		2024-06-21
		11	Terminal voltage equalization performance	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.13		2024-06-21
		12	Connection voltage drop between batteries	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.14		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Explosion proof performance	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.15		2024-06-21
		14	Short recovery performance	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.16		2024-06-21
		15	Sealing property of pole terminal	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.17		2024-06-21
		16	Battery life	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.18、6.19、6.20		2024-06-21
		17	Sealing agent performance	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.21		2024-06-21
		18	Overcharge resistance	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.22		2024-06-21
		19	Thermal runaway sensitivity	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.23		2024-06-21
		20	Low temperature sensitivity	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.24		2024-06-21
		21	Overdischarge	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.25		2024-06-21
		22	Inherent resistance	《Front terminal valve-regulated lead acid battery for telecommunications》 YD/T 2343-2020 6.26		2024-06-21
137	High-temperature valve-controlled lead-acid battery for communication		All parameters	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021	Flame retardation is being developed on Xinjin Road.	2024-06-21
		1	Exterior	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				telecommunications》 YD/T 2657-2021 7.3		
		2	Structure	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.3		2024-06-21
		3	Sealing reaction efficiency	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.4		2024-06-21
		4	High current discharge	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.5		2024-06-21
		5	Explosion proof performance	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.6		2024-06-21
		6	Acid fog prevention performance	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.7		2024-06-21
		7	Safety valve	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.8		2024-06-21
		8	Gas tightness	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.10		2024-06-21
		9	Sealing agent performance	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.11		2024-06-21
		10	Terminal voltage equalization	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.13		2024-06-21
		11	Capacity	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.14		2024-06-21
		12	Capacity consistency	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.15		2024-06-21
		13	Connection voltage drop between batteries	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.16		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Overcharge resistance	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.17		2024-06-21
		15	Capacity preservation rate	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.18		2024-06-21
		16	Recharge performance	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.19		2024-06-21
		17	Battery life	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.20		2024-06-21
		18	Internal resistance and short-circuit current	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.21		2024-06-21
		19	Overdischarge	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.22		2024-06-21
		20	Low temperature sensitivity	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.23		2024-06-21
		21	Extreme high temperature use	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.24		2024-06-21
		22	Existence and durability of information and warning signs	《High temperature valve-regulated lead acid batteries for telecommunications》 YD/T 2657-2021 7.25		2024-06-21
138	High-rate valve-controlled sealed lead-acid battery for communication		All parameters	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018	Flame retardation is being developed on Xinjin Road.	2024-06-21
		1	Exterior	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				telecommunications》 YD/T 3427-2018 7.3		
		2	Structure	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.4		2024-06-21
		3	Gas tightness	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.6		2024-06-21
		4	Capacity	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.7		2024-06-21
		5	Rated power	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.8		2024-06-21
		6	Temperature rise test	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.9		2024-06-21
		7	Power conservation rate	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.10		2024-06-21
		8	Sealing reaction efficiency	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.11		2024-06-21
		9	Acid mist releasing performance	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.12		2024-06-21
		10	Safety valve	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.13		2024-06-21
		11	Overcharge resistance	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.14		2024-06-21
		12	Terminal voltage equalization	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.16		2024-06-21
		13	Connection voltage drop between batteries	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.17		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Explosion proof performance	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.18		2024-06-21
		15	Sealing agent performance	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.19		2024-06-21
		16	Inherent resistance	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.20		2024-06-21
		17	Thermal runaway sensitivity	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.21		2024-06-21
		18	Overdischarge	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.22		2024-06-21
		19	Low temperature sensitivity	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.23		2024-06-21
		20	Battery life	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.24		2024-06-21
		21	Recharge performance	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.25		2024-06-21
		22	Power consistency	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.26		2024-06-21
		23	Power density coefficient	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.27		2024-06-21
		24	Resistance to ground short circuit	《High-power valve-regulated lead acid battery for telecommunications》 YD/T 3427-2018 7.28		2024-06-21
139	Fixed valve-regulated lead-acid battery for electric power		All parameters	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019	Flame retardancy of materials is being developed	2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					on Xinjin Road.	
		1	Exterior	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.3		2024-06-21
		2	Internal inspection	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.4		2024-06-21
		3	Quality	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.5		2024-06-21
		4	Post	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.6		2024-06-21
		5	Airtightness	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.7		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements 》 GB/T 19638.1-2014 6.6		2024-06-21
		6	Gas evolution	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.8		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements 》 GB/T 19638.1-2014 6.7		2024-06-21
		7	High current resistance	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.9		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements 》 GB/T 19638.1-2014 6.8		2024-06-21
		8	Explosion-proof capability	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.10		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements 》 GB/T 19638.1-2014 6.10		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Anti-acid fog ability	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.11		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements》 GB/T 19638.1-2014 6.11		2024-06-21
		10	Safety valve	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.12		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements》 GB/T 19638.1-2014 6.12		2024-06-21
		11	Resistance to ground short circuit	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.13		2024-06-21
		12	Resistance to mechanical damage	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.15		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements》 GB/T 19638.1-2014 6.15		2024-06-21
		13	Cold resistance and heat resistance	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.16		2024-06-21
		14	Capacity performance	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.17		2024-06-21
		15	Charge retention performance	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.18		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements》 GB/T 19638.1-2014 6.19		2024-06-21
		16	Recharge performance	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.19		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements》 GB/T 19638.1-2014 6.20		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		17	Impulse discharge performance	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.20		2024-06-21
		18	Connectivity between storage batteries	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.21		2024-06-21
		19	Terminal voltage equalization	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.22		2024-06-21
		20	Inherent resistance	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.23		2024-06-21
		21	60°C floating durability	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.24		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements 》 GB/T 19638.1-2014 6.23		2024-06-21
		22	Overdischarge sensitivity	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.25		2024-06-21
		23	Durability of signs and marks	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.26		2024-06-21
				《Lead-acid batteries for stationary valve-regulated-Part 1: Technical requirements 》 GB/T 19638.1-2014 6.26		2024-06-21
		24	Discharge and impulse discharge characteristic curve	《Stationary valve-regulated lead-acid batteries for electric power》 DL/T 637-2019 8.27		2024-06-21
140	Lithium ion battery for electrical energy storage		All parameters	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023	High altitude initial charging and discharging	2024-06-21



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		№	Item/ Parameter			
					energy test、 Overcharge performance test、 Overdischarge performance test、 Overload performance test、 Short circuit performance test、 crushing performance test、 Drop performance test、 Thermal runaway performance test、 Insulation performance test、 Voltage	

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		№	Item/ Parameter			
					withstand performance test、 High altitude insulation performance test、 High altitude withstand voltage performance test、 Overcharge performance test (battery module)、 Overdischarge performance test (battery module)、 Overload performance test (battery module)、	

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		№	Item/ Parameter			
					Short circuit performance test (battery module)、crushing performance test(battery module)、Drop performance test (battery module)、Vibration performance test (battery module)、Liquid cooling pipeline pressure resistance performance test (battery module)、	

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Thermal runaway diffusion performance test (battery module)、Appearance and dimensional inspection (battery cluster)、Safety protection function test (battery cluster)、Initial charge and discharge energy test (battery cluster)、Insulation performance test (battery cluster)、Voltage	

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					withstand performance test (battery cluster)、High altitude insulation performance test (battery cluster)、High altitude withstand voltage performance test (battery cluster)、Liquid cooling pipeline pressure resistance performance test (battery cluster) will be tested at	

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Xinjin Road	
		1	Appearance,size,and weight inspection	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.3.1		2024-06-21
		2	Initial charge and discharge energy test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.1.1		2024-06-21
		3	Power characteristic test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.2.1		2024-06-21
		4	Rate charging and discharging performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.3.1		2024-06-21
		5	Energy retention and recovery capacity test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.4.1		2024-06-21
		6	High temperature charging and discharging performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.5.1.1		2024-06-21
		7	Low temperature charging and discharging performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.5.2.1		2024-06-21
		8	Storage performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.6.1.1		2024-06-21
		9	Cycle performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.6.2.1		2024-06-21
		10	Adiabatic temperature rise characteristic test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.7.4.1		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	Appearance,size,and weight inspection	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.3.2		2024-06-21
		12	Initial charge and discharge energy test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.1.2		2024-06-21
		13	Power characteristic test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.2.2		2024-06-21
		14	Rate charging and discharging performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.3.2		2024-06-21
		15	Energy retention and recovery capacity test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.4.4.2		2024-06-21
		16	High temperature charging and discharging performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.5.1.2		2024-06-21
		17	Low temperature charging and discharging performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.5.2.2		2024-06-21
		18	Storage performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.6.1.2		2024-06-21
		19	Cycle performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.6.2.2		2024-06-21
		20	Salt spray performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.7.3.1		2024-06-21
		21	Alternating humidity and heat performance test	《Lithium ion battery for electrical energy storage》 GB/T 36276-2023 6.7.3.2		2024-06-21



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		№	Item/ Parameter			
141	Battery management system for electrcal energy storgae		Part of Parameters	《Battery management system for electrcal energy storgae》 GB/T 34131-2023	Pressure、 Flow、 Liquid level、 Gas concentrati on will be tested at Xinjin Road,lectris tatic discharge immunity 、 Electrical fast transient /burstimmu nity test、 Surge (impact) immunity 、 Power frequency magnetic field immunity will be tested at Chunxin East	2024-06-21



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		№	Item/ Parameter			
					Road,Pulse magnetic field immunity 、 Damping oscillation magnetic field immunity 、 Immunity to common mode conducted disturbance s from 0Hz to 150kHz、 DC power input port ripple immunity 、 Damping oscillation wave immunity are unable to test	
		1	battery voltage	《Battery management system for electrcal energy storgae》 GB/T 34131-2023 7.4.1		2024-06-21



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		№	Item/ Parameter			
		2	Battery cluster/stack current	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.4.2		2024-06-21
		3	temperature	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.4.3		2024-06-21
		4	communication	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.5		2024-06-21
		5	Alarm and protection	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.6		2024-06-21
		6	control	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.7		2024-06-21
		7	Energy state estimation	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.8		2024-06-21
		8	balanced	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.9		2024-06-21
		9	Insulation resistance detection	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.10		2024-06-21
		10	Insulation performance	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.11.1		2024-06-21
		11	dielectric strength	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.11.2		2024-06-21
		12	low temperature	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.12.2		2024-06-21
				《Environmental testing for electric and electronic products- Part2:Test methods=Test A:Cold》 GB/T 2423.1-2008 5		2024-06-21
		13	high temperature	《Battery management system for electrical energy storage》 GB/T 34131-2023 7.12.1		2024-06-21
				《Environmental testing for electric and electronic products- Part2:Test methods-Test B:Dry heat》 GB/T 2423.2-2008 5		2024-06-21



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		№	Item/ Parameter			
		14	hot-wet	《Battery management system for electrcal energy storgae》 GB/T 34131-2023 7.12.3		2024-06-21
				《Environmental testing for electric and electronic products- Part2:Test methods-Test Db:Damp heat,cyclic(12h+12h cycle)》 GB/T2423.4-2008 7		2024-06-21
		15	Salt spray resistance	《Battery management system for electrcal energy storgae》 GB/T 34131-2023 7.12.4		2024-06-21
				《Environmental testing for electric and electronic products- Part2:Test methods-Test Ka:Salt mist》 GB/T 2423.17-2008 6		2024-06-21
		16	Supply Voltage	《Battery management system for electrcal energy storgae》 GB/T 34131-2023 7.13.1		2024-06-21
		17	Overvoltage	《Battery management system for electrcal energy storgae》 GB/T 34131-2023 7.13.2		2024-06-21
		18	Reverse voltage	《Battery management system for electrcal energy storgae》 GB/T 34131-2023 7.13.3		2024-06-21
		19	Communication line circuit short circuit	《Battery management system for electrcal energy storgae》 GB/T 34131-2023 7.13.4		2024-06-21
142	Sodium-ion battery for electric bicycle		All parameters	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023	Overcharge test、 Overdischa rge test、 External short circuit test、 Heat abuse testing、 Acupunctur e test、	2024-06-21



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		№	Item/ Parameter			
					Low temperature safety testing、Overcharge protection test、Overdischarge protection test、External short-circuit protection test、Over temperature protection test、Overcurrent charging protection test、Overcurrent discharge protection test、Crush test、Acceleration shock	

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		№	Item/ Parameter			
					test、 Vibration test、 Drop Test、 Low pressure testing、 immersion test、 Thermal runaway diffusion test will be tested at Xinjin Road, Electr istatic discharge 、 Flame retardancy test will be tested at Chunxin East Road	
		1	Initial capacity testing	《Sodium-ion battery for electric bicycle》 21-2023 6.3.1	T/CHINABICYCLE	2024-06-21
		2	Rate discharge capacity test	《Sodium-ion battery for electric bicycle》 21-2023 6.3.2	T/CHINABICYCLE	2024-06-21
		3	Low temperature charging capacity test	《Sodium-ion battery for electric bicycle》 21-2023 6.3.3	T/CHINABICYCLE	2024-06-21



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		4	Low temperature discharge capacity test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.3.4		2024-06-21
		5	High temperature discharge capacity test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.3.5		2024-06-21
		6	Test of room temperature charge holding capacity and charge recovery capacity	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.3.6		2024-06-21
		7	High temperature charge retention ability and charge recovery ability test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.3.7		2024-06-21
		8	Charge recovery ability test after long-term storage	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.3.8		2024-06-21
		9	Cycle Life Test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.3.9		2024-06-21
		10	Internal resistance test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.3.10		2024-06-21
		11	Lift handle strength test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.4.2.11		2024-06-21
		12	High and low temperature impact testing	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.4.2.14		2024-06-21
		13	Salt spray test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.4.2.16		2024-06-21



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		№	Item/ Parameter			
				《Environmental testing -Part2:Test methods-Test Kb:Salt mist,cyclic(sodium chloride solution),IDT》 GB/T 2423.18-2021 9		2024-06-21
		14	Humidity thermal cycle	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.4.2.17 《Environmental testing for electric and electronic products-Part2:Test methods-Test Db:Damp heat,cyclic(12h+12h cycle)》 GB/T2423.4-2017 7		2024-06-21
		15	Insulation resistance test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.4.2.19		2024-06-21
		16	Mutual recognition and collaborative charging test	《Sodium-ion battery for electric bicycle》 T/CHINABICYCLE 21-2023 6.4.2.20		2024-06-21
143	Lithium ion cells and batteries used in electric wheelchairs		All parameters	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022		2024-06-21
		1	initial capacity	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.1		2024-06-21
		2	High temperature capacity	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.2		2024-06-21
		3	Low temperature capacity	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.3		2024-06-21
		4	Battery rate discharge (1ItA discharge)	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.4.1		2024-06-21
		5	Battery rate discharge (3ItA discharge)	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.4.2		2024-06-21
		6	Battery pack rate	《Lithium ion cells and batteries used in electric wheelchairs -		2024-06-21



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		№	Item/ Parameter			
			discharge (0.5ItA discharge)	general specification》 SJ/T 11811-2022 5.5.1		
		7	Battery pack rate discharge (1ItA discharge)	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.5.2		2024-06-21
		8	charge retention	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.6		2024-06-21
		9	Recovery capacity	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.7		2024-06-21
		10	cycle life	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.8		2024-06-21
		11	internal impedance	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.9		2024-06-21
		12	identifying	《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 7.1		2024-06-21
				《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 5.3.1		2024-06-21
144	lithium ion cells and batteries used in self-balancing vehicle		All parameters	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017		2024-06-21
		1	initial capacity	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.1		2024-06-21
		2	High temperature capacity	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.2		2024-06-21
		3	Low temperature capacity	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.3		2024-06-21
		4	Battery rate discharge (1ItA discharge)	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.4.1		2024-06-21



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		5	Battery rate discharge (3ItA discharge)	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.4.2		2024-06-21
		6	charge retention	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.5		2024-06-21
		7	Recovery capacity	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.6		2024-06-21
		8	cycle life	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.7		2024-06-21
		9	Simulated working cycle life	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.8		2024-06-21
		10	Battery pack output power	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.9		2024-06-21
		11	internal impedance	《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.10		2024-06-21
145	drive motor systems for electric vehicles		All parameters	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023		2024-06-21
		1	appearance	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.1		2024-06-21
		2	polarity	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.2		2024-06-21
		3	Quality and size	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.3		2024-06-21
		4	Capacity and energy testing at room temperature	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.4.2		2024-06-21
		5	Capacity and energy testing at high	《Functional safety requirements and test methods for drive		2024-06-21



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			temperatures	motor systems for electric vehicles》 GB/T 31467-2023 7.4.3		
		6	Capacity and energy testing at low temperatures	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.4.4		2024-06-21
		7	Power and internal resistance	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.5		2024-06-21
		8	No load capacity loss	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.6		2024-06-21
		9	Capacity loss in storage	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.7		2024-06-21
		10	High and low temperature starting power	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.8		2024-06-21
		11	energy efficiency	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.9		2024-06-21
		12	energy density	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.10		2024-06-21
		13	Charging performance	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.11		2024-06-21
		14	Working condition discharge	《Functional safety requirements and test methods for drive motor systems for electric vehicles》 GB/T 31467-2023 7.12		2024-06-21
146	Batteries used for energy storage		All parameters	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021		2024-06-21
		1	Appearance and polarity	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021 7.1		2024-06-21
		2	5hr capacity	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021 7.3.2		2024-06-21



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		3	120hr capacity	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021 7.3.3		2024-06-21
		4	Low temperature capacity	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021 7.3.5		2024-06-21
		5	Charge efficiency	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021 7.4		2024-06-21
		6	charge retention	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021 7.5		2024-06-21
		7	Cyclic durability	《Batteries used for energy storage -- Part 1: Photovoltaic off-grid application technical conditions》 GB/T 22473.1-2021 7.8		2024-06-21
147	Stationary battery energy storage systems with lithium batteries		All parameters	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017	Internal short circuit (diffusion test),external short circuit (cell/battery block),external short circuit (module/battery system),drop,impact test,thermal abuse conducted on Xinjin	2024-06-21



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		№	Item/ Parameter			
					Road	
		1	Insulation resistance test	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 6.2.2		2024-06-21
		2	Dielectric withstand voltage test	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 6.2.3		2024-06-21
		3	Rationality of voltage measurement	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.3		2024-06-21
		4	Detection of indivisible components	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.4		2024-06-21
		5	Open circuit detection of sensing lines	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.5		2024-06-21
		6	Check interlocking function locking	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.6		2024-06-21
				《Uninterruptible Power Supply Systems (UPS) - Part 1: General and Safety Requirements for UPS》 DIN EN 62040-1-2013 5.6		2024-06-21
		7	Load Function Test (Derating)	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.7		2024-06-21
		8	Check voltage monitoring under overcharging conditions	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.8.1		2024-06-21
				《Storage batteries and battery packs containing alkaline or other non acidic electrolytes - Safety requirements for the use of secondary lithium batteries and battery packs in industrial applications》 DIN EN 62619:2014 9.2.2		2024-06-21
		9	Check voltage monitoring under	《Stationary battery energy storage systems with lithium		2024-06-21



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		№	Item/ Parameter			
			deep discharge/forced discharge conditions	batteries Safety requirements》 VDE 2510-50:2017 7.8.2		
		10	Check current monitoring	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.8.3		2024-06-21
		11	Check temperature monitoring at excessively high temperatures	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.8.4		2024-06-21
		12	Check temperature monitoring at low temperatures	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.8.5		2024-06-21
		13	Check the current measurement value	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.9.1		2024-06-21
		14	Check temperature measurement values	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.9.2		2024-06-21
		15	Communication Failure	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.10.1		2024-06-21
		16	Component failure	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.10.2		2024-06-21
		17	Battery/battery pack malfunction	《Stationary battery energy storage systems with lithium batteries Safety requirements》 VDE 2510-50:2017 7.10.3		2024-06-21
148	Lithium-ion Batteries For Electric Vehicles	1	ground continuity test	《Batteries for Use In Electric Vehicles》 UL 2580-2022 32		2024-06-21
		2	thermal cycle	《Batteries for Use In Electric Vehicles》 UL 2580-2022 39		2024-06-21
				《Electric and hybrid electric vehicle rechargeable energy storage system safety and abuse testing》 SAE J2464-2021 4.4.4		2024-06-21



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		№	Item/ Parameter			
		3	Salt spray test	《Batteries for Use In Electric Vehicles》 UL 2580-2022 40		2024-06-21
				《Environmental testing-Part 2-52: Test Kb: Salt mist, cyclic (sodium chloride solution)》 IEC 60068-2-52-2017 9.4		2024-06-21
149	Balanced lithium-ion batteries for vehicles	1	Sample pretreatment (charge discharge cycle)	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 4.6.3		2024-06-21
		2	Battery capacity testing	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 4.6.5		2024-06-21
				《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5.1		2024-06-21
		3	Safe working parameters	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 5.2		2024-06-21
		4	Identification requirements	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 5.3.1		2024-06-21
		5	warning specifications	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 5.3.2		2024-06-21
		6	durability	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 5.3.3		2024-06-21
		7	Temperature cycling	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 7.2		2024-06-21
		8	Temperature cycling	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 8.2		2024-06-21
150	Lithium ion batteries for	1	Battery capacity testing	《Lithium ion cells and batteries used in self-balancing vehicle—Safety requirements》 GB/T 40559-2021 8.8		2024-06-21
				《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 4.6.3		2024-06-21

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	electric wheelchairs			《Lithium ion cells and batteries used in electric wheelchairs - general specification》 SJ/T 11811-2022 5.1		2024-06-21
		2	Sample pretreatment (charge discharge cycle)	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 4.6.4		2024-06-21
		3	Safe working parameters	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 5.2		2024-06-21
		4	Identification requirements	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 5.3.1		2024-06-21
		5	warning specifications	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 5.3.2		2024-06-21
		6	durability	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 5.3.3		2024-06-21
		7	Temperature cycling	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 7.2		2024-06-21
		8	Temperature cycling	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 8.2		2024-06-21
		9	Salt mist	《Lithium-ion batteries and battery packs for electric wheelchairs Safety technical specifications.》 SJ/T 11810-2022 8.8		2024-06-21
151	lithium cells	1	Temperature shock	《Safety requirements for lithium cells and batteries》 GJB 2374A-2013 C.3.5		2024-06-21
152	echelon using EV batteries for telecommunication	1	25 °C discharge	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.5.1		2024-06-21
		2	0 °C discharge	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020		2024-06-21



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				7.5.2		
		3	-10°C discharge	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.5.3		2024-06-21
		4	55°C discharge	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.5.4		2024-06-21
		5	High current discharge	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.5.5		2024-06-21
		6	Performance consistency of cascaded battery packs	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.6		2024-06-21
		7	Voltage drop between battery connections	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.7		2024-06-21
		8	Capacity retention rate	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.8		2024-06-21
		9	Charge efficiency	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020		2024-06-21



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				7.9		
		10	cycle life	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.10		2024-06-21
		11	insulation resistance	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.11.4		2024-06-21
				《LiFePO4battery system for telecommunications. Part 1: Integrated battery system》 YD/T 2344.1-2011 6.9.17	revoked and retained, which can only be used when referenced.	2024-06-21
		12	dielectric strength	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.11.5		2024-06-21
				《LiFePO4battery system for telecommunications. Part 1: Integrated battery system》 YD/T 2344.1-2011 6.9.18	revoked and retained, which can only be used when referenced.	2024-06-21
		13	Steady damp-heat	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations.		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.11.6		
				《LiFePO4battery system for telecommunications. Part 1: Integrated battery system》 YD/T 2344.1-2011 6.9.12	revoked and retained, which can only be used when referenced.	2024-06-21
		14	Temperature cycling	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.11.13		2024-06-21
				《LiFePO4battery system for telecommunications. Part 1: Integrated battery system》 YD/T 2344.1-2011 6.9.15	revoked and retained, which can only be used when referenced.	2024-06-21
		15	Information measurement display accuracy	《Technical requirements and test methods of vehicle power batteries for echelon utilization of communication base stations. Part 1: Lithium iron phosphate batteries》 YD/T 3768.1-2020 7.12.7		2024-06-21
153	batteries for use in stationary and motive auxiliary power	1	Sample capacity testing	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 4.7.3		2024-06-21
		2	Sample pretreatment (charge discharge cycle)	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	applications			4.7.4		
		3	Safe working parameters	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 5.2		2024-06-21
		4	Identification requirements	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 5.3.1		2024-06-21
		5	warning specifications	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 5.3.2		2024-06-21
		6	durability	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 5.3.3		2024-06-21
		7	Temperature cycling	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 7.2		2024-06-21
		8	Temperature cycling	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 8.2		2024-06-21
		9	Overvoltage charging protection	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 10.1		2024-06-21
		10	Overcurrent charging protection	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 10.2		2024-06-21
		11	Undervoltage discharge protection	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				10.3		
		12	Overcurrent discharge protection	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 10.4		2024-06-21
		13	Short circuit protection	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 10.5		2024-06-21
		14	Charging voltage control	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 11.1		2024-06-21
		15	Charging current control	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 11.2		2024-06-21
		16	Discharge voltage control	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 11.3		2024-06-21
		17	Discharge current control	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 11.4		2024-06-21
		18	Charge and discharge temperature control	《Lithium ion cells and batteries used in portable electronic equipments—Safety technical specification》 GB 31241-2022 11.5		2024-06-21
154	lithium-ion battery	1	Forced discharge (battery cells,battery blocks)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries,for use in industrial applications》 IEC 62619-2022 7.2.6		2024-06-21
		2	Overvoltage	《Secondary cells and batteries containing alkaline or other non-		2024-06-21

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			charging (battery system)	acid electrolytes - Safety requirements for secondary lithium cells and batteries,for use in industrial applications» IEC 62619-2022 8.2.2		
		3	Overcurrent charging (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries,for use in industrial applications» IEC 62619-2022 8.2.3		2024-06-21
		4	Over temperature charging (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries,for use in industrial applications» IEC 62619-2022 8.2.4		2024-06-21
155	Rechargeable energy storage system	1	overcharge protection	《UNIFORM PROVISIONS CONCERNING THE APPROVAL OF: VEHICLES WITH REGARD TO SPECIFIC REQUIREMENTS FOR THE ELECTRIC POWER TRAIN» ECE R100.03 Annex 9G		2024-06-21
		2	over discharge protection	《UNIFORM PROVISIONS CONCERNING THE APPROVAL OF: VEHICLES WITH REGARD TO SPECIFIC REQUIREMENTS FOR THE ELECTRIC POWER TRAIN» ECE R100.03 Annex 9H		2024-06-21
		3	Over Temperature Protection	《UNIFORM PROVISIONS CONCERNING THE APPROVAL OF: VEHICLES WITH REGARD TO SPECIFIC REQUIREMENTS FOR THE ELECTRIC POWER TRAIN» ECE R100.03 Annex 9I		2024-06-21
		4	Overcurrent protection	《UNIFORM PROVISIONS CONCERNING THE APPROVAL OF: VEHICLES WITH REGARD TO SPECIFIC REQUIREMENTS FOR THE ELECTRIC POWER TRAIN» ECE R100.03 Annex 9J		2024-06-21
156	lithium-ion battery	1	Continuous constant voltage charging (	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			cells)	secondary cells,and for batteries made from them,for use in portable applications - Part 2: Lithium systems》 IEC 62133-2: 2021 7.2.1		
		2	Stress of molded shell under high temperature (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications - Part 2: Lithium systems》 IEC 62133-2: 2021 7.2.2		2024-06-21
		3	Forced discharge (cell)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications - Part 2: Lithium systems》 IEC 62133-2: 2021 7.3.7		2024-06-21
		4	Internal resistance of communication (button battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications - Part 2: Lithium systems》 IEC 62133-2: 2021 D.2		2024-06-21
157	batteries for use in stationary and motive auxiliary power applications	1	Overcharge test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 15		2024-06-21
		2	High rate charging	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 16		2024-06-21
		3	Overload discharge test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 18		2024-06-21
		4	Over discharge protection test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 19		2024-06-21
		5	Temperature and working limit	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 20		2024-06-21



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		№	Item/ Parameter			
			inspection and testing			
		6	Unbalanced charging test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 21		2024-06-21
		7	Voltage withstand test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 22		2024-06-21
		8	Operation verification	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 27.8		2024-06-21
		9	Thermal Cycle Test (LER)	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 38		2024-06-21
		10	Moisture resistance test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 39		2024-06-21
				《Degrees of protection provided by enclosures(IP code)》 IEC 60529-2013 14		2024-06-21
		11	Salt spray test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 40		2024-06-21
				《Environmental testing - Part 2-52: Tests - Test Kb: Salt mist,cyclic (sodium chloride solution)》 IEC 60068-2-52-2017 9		2024-06-21
		12	Capacity Test	《Standard for safety batteries for use in stationary and motive auxiliary power applications》 UL 1973:2022 E2.2		2024-06-21
158	portable lithium-ion battery energy storage power supply	1	Appearance and identification	《Technical specification for portable lithium-ion battery energy storage power supply》 SJ/T 11893-2023 4.2		2024-06-21
		2	interface	《Technical specification for portable lithium-ion battery energy storage power supply》 SJ/T 11893-2023 4.3		2024-06-21
		3	output energy	《Technical specification for portable lithium-ion battery energy storage power supply》 SJ/T 11893-2023 4.4.1		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Energy retention capacity	《Technical specification for portable lithium-ion battery energy storage power supply》 SJ/T 11893-2023 4.4.2		2024-06-21
		5	Battery cycle life	《Technical specification for portable lithium-ion battery energy storage power supply》 SJ/T 11893-2023 4.4.3		2024-06-21
		6	Output voltage	《Technical specification for portable lithium-ion battery energy storage power supply》 SJ/T 11893-2023 4.4.5		2024-06-21
		7	Ripple	《Technical specification for portable lithium-ion battery energy storage power supply》 SJ/T 11893-2023 4.4.6		2024-06-21
159	battery energy storage systems	1	Gas composition test for battery cell exhaust (cell level)	《STANDARD FOR SAFETY Test Method for Evaluating ThermalRunaway Fire propagation in battery energy storage systems》 UL 9540A-2019 7.4.2		2024-06-21
160	lithium-ion power batteries for elec bicycletic		All parameters	《Technical requirements of lithium-ion power batteries for elec bicycletic》 T/BBIA 4-2023	The flame retardancy of the material and the charging and discharging interface are being developed on Chunxin East Road; Overchargi ng,over discharging ,external short circuit	2024-06-21



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					(individual), thermal abuse, needle puncture, forced discharge, external short circuit (battery pack), molded shell stress, compression, mechanical impact, vibration, immersion, free fall, and low air pressure are being carried out on Xinjin Road	
		1	Appearance requirements	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 6.1		2024-06-21
		2	External dimensions	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 6.2		2024-06-21
		3	Charging and discharging	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 6.3		2024-06-21



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		№	Item/ Parameter			
			interface			
		4	electric-shock safeguard	《Plugs,socket-outlets and couplers for industrial purposes—Part 1: General requirements》 GB/T 11918.1-2014 9		2024-06-21
		5	Terminals and terminals	《Plugs,socket-outlets and couplers for industrial purposes—Part 1: General requirements》 GB/T 11918.1-2014 11		2024-06-21
		6	The structure of the socket	《Plugs,socket-outlets and couplers for industrial purposes—Part 1: General requirements》 GB/T 11918.1-2014 15		2024-06-21
		7	Structure of plugs and connectors	《Plugs,socket-outlets and couplers for industrial purposes—Part 1: General requirements》 GB/T 11918.1-2014 16		2024-06-21
		8	Insulation resistance and electrical strength	《Plugs,socket-outlets and couplers for industrial purposes—Part 1: General requirements》 GB/T 11918.1-2014 19		2024-06-21
		9	Creepage distance and electrical clearance	《Plugs,socket-outlets and couplers for industrial purposes—Part 1: General requirements》 GB/T 11918.1-2014 26		2024-06-21
		10	protection	《Degrees of protection provided by enclosure (IP code)》 GB/T 4208-2017 5/6/7		2024-06-21
		11	identifying	《Technical requirements of lithium-ion power batteries for elec bicycletric》 T/BBIA 4-2023 6.4		2024-06-21
		12	I ₂ (A)discharge	《Technical requirements of lithium-ion power batteries for elec bicycletric》 T/BBIA 4-2023 7.1		2024-06-21
		13	2I ₂ (A)discharge	《Technical requirements of lithium-ion power batteries for elec bicycletric》 T/BBIA 4-2023 7.2		2024-06-21
		14	Low temperature discharge	《Technical requirements of lithium-ion power batteries for elec bicycletric》 T/BBIA 4-2023 7.3		2024-06-21
		15	High temperature discharge	《Technical requirements of lithium-ion power batteries for elec bicycletric》 T/BBIA 4-2023 7.4		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	charge retention	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 7.5		2024-06-21
		17	Charge recovery capability	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 7.6		2024-06-21
		18	Charge recovery ability after long-term storage	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 7.7		2024-06-21
		19	cycle life	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 7.8		2024-06-21
		20	Overcurrent discharge protection	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.2		2024-06-21
		21	overcharge protection	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.3		2024-06-21
		22	temperature protection	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.4		2024-06-21
		23	insulation resistance	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.6		2024-06-21
		24	Handle strength	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.8		2024-06-21
		25	High and low temperature impact	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.15		2024-06-21
		26	Salt mist	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.16		2024-06-21
				《Environmental testing - Part 2: Test methods - Test Kb: Salt mist,cyclic (sodium chloride solution)》 GB/T 2423.18-2021 9		2024-06-21
		27	Damp heat cycle	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 9.17		2024-06-21



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				《Environmental testing for electric and electronic products - Part 2: Test method - Test Db: Damp heat,cyclic (12h+12h cycle)》 GB/T 2423.4-2008 7		2024-06-21
		28	Mutual recognition and collaboration	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 11.1		2024-06-21
		29	data acquisition	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 11.2		2024-06-21
		30	Temperature warning and alarm	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 11.3		2024-06-21
				《Safety requirement for electric bicycle selectrical》 GB 42295—2022 5.8.7		2024-06-21
		31	Overcurrent discharge warning	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 11.4		2024-06-21
		32	Overvoltage warning	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 11.5		2024-06-21
		33	Data upload	《Technical requirements of lithium-ion power batteries for electric bicycle》 T/BBIA 4-2023 11.6		2024-06-21
161	Lead carbon battery for electrical energy storage		All parameters	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023	Initial charge-discharge performance at 25°C (battery cluster)、consistency、Initial charging and	2024-12-10



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		№	Item/ Parameter			
					discharging performance at high altitude、Short circuit performance、Insulating property、Pressure resistance 、 High altitude insulation performance、 High altitude pressure resistance 、 Flame retardant ability carry out at xinjin road	
		1	Appearance, size and quality	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.3		2024-12-10
		2	Initial charge-discharge performance at 25°C	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.4.1.1.1		2024-12-10



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		№	Item/ Parameter			
			(cell)			
		3	Initial charge-discharge performance at 45°C	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.4.1.2		2024-12-10
		4	Initial charge-discharge performance at 0°C	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.4.1.3		2024-12-10
		5	Power characteristics	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.4.2		2024-12-10
		6	Rate charge-discharge performance	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.4.3		2024-12-10
		7	Energy conservation and recovery ability	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.4.4		2024-12-10
		8	High temperature adaptability	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.5.1		2024-12-10
		9	Low temperature adaptability	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.5.2		2024-12-10
		10	Cyclic performance	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.6		2024-12-10
		11	Overcharge performance	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.1.1		2024-12-10
		12	Overdischarge performance	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.1.2		2024-12-10
		13	Drop performance	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.1.6		2024-12-10
		14	Gas evolution rate	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.1.7		2024-12-10



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		15	Explosion-proof capability	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.1.8		2024-12-10
		16	Salt spray performance	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.2.1		2024-12-10
		17	Alternating damp-heat performance	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.2.2		2024-12-10
		18	Thermal runaway sensitivity	《Lead carbon battery for electrical energy storage》 GB/T 36280-2023 6.7.3.1		2024-12-10
162	lithium-ion battery for electric bicycle	1	I ₂ (A) discharge (battery pack)	《Safety technical specification of lithium-ion battery for electric bicycle》 GB 43854-2024 6.2.2.3		2024-12-10
		2	Lifting strength(battery pack)	《Safety technical specification of lithium-ion battery for electric bicycle》 GB 43854-2024 6.4.2.5		2024-12-10
		3	High and low temperature impact(battery pack)	《Safety technical specification of lithium-ion battery for electric bicycle》 GB 43854-2024 6.4.3.2		2024-12-10
163	Battery charge/discharge controllers for stand-alone photovoltaic systems		All parameters	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024		2025-06-10
		1	Battery full protection and recovery function	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.2		2025-06-10
		2	Battery over-discharge protection and recovery function	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.3		2025-06-10
		3	Temperature compensation function	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.4		2025-06-10



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		4	Static power consumption	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.5		2025-06-10
		5	Charge conversion efficiency	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.6		2025-06-10
		6	Discharge conversion efficiency	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.7		2025-06-10
		7	Static MPPT tracking efficiency	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.8		2025-06-10
		8	Measurement accuracy	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.9		2025-06-10
		9	Protection board (lithium battery) activation function	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.10		2025-06-10
		10	Reverse discharge protection	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.1		2025-06-10
		11	Overcurrent protection on the PV side	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.2		2025-06-10
		12	Overvoltage protection on the photovoltaic side	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.3		2025-06-10
		13	Reverse connection protection on the PV side	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.4		2025-06-10
		14	Battery side reverse polarity protection	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.5		2025-06-10
		15	Battery side open circuit protection	《Technical specification for battery charge discharge controller		2025-06-10



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		№	Item/ Parameter			
				of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.6		
		16	Load-side overcurrent protection	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.7		2025-06-10
		17	Load-side short-circuit protection	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.11.8		2025-06-10
		18	Low-temperature test	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.12.1		2025-06-10
				《Environmental testing for electric and electronic products.Part 2:Test methods.Tests A:Cold》 GB/T 2423.1-2008		2025-06-10
		19	High- temperature test	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.12.2		2025-06-10
				《Environmental testing for electric and electronic products.Part 2:Test methods.Tests B:Dry heat》 GB/T 2423.2-2008		2025-06-10
		20	Alternating humidity and heat test	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.12.3		2025-06-10
				《Environmental testing for electric and electronic products-Part 2: Test method-Test Db: Damp heat, cyclic (12h+12h cycle)》 GB/T 2423.4-2008		2025-06-10
		21	Constant Damp Heat Test	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.12.4		2025-06-10
				《Environmental testing.Part 2:Testing method.Test Cab: Damp heat, steady state》 GB/T 2423.3-2016		2025-06-10
		22	Salt spray test	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.12.5		2025-06-10
				《Environmental testing for electric and electronic products.Part		2025-06-10



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				2:Test method.Test Ka:Salt mist》 GB/T 2423.17-2024		
		23	Protection rating	《Technical specification for battery charge discharge controller of stand-alone photovoltaic system》 GB/T 44232-2024 5.13		2025-06-10
				《Degrees of protection provided by enclosure (IP code)》 GB/T 4208-2017		2025-06-10
164	Electrochemical energy storage station		Part of Parameters	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024	Except for operational suitability, fault ride-through	2025-06-10
		1	Active power control	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 7.1		2025-06-10
		2	Reactive power control	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 7.2		2025-06-10
		3	Power factor regulation capability	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 7.3		2025-06-10
		4	Charge and discharge time	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 8		2025-06-10
		5	Energy rating	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 9		2025-06-10
		6	Rated energy efficiency	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 10		2025-06-10
		7	Power quality	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 11		2025-06-10
				《Quality of electric energy supply harmonics in public supply network》 GB/T 14549-1993		2025-06-10



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		№	Item/ Parameter			
				《Power quality.Interharmonics in public supply network》 GB/T 24337-2009		2025-06-10
				《Power quality.Deviation of supply voltage》 GB/T 12325-2008		2025-06-10
				《Power quality.Three-phase voltage unbalance》 GB/T 15543-2008		2025-06-10
				《Power quality-Voltage fluctuation and flicker》 GB/T 12326-2008		2025-06-10
		8	One-time FM	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 12		2025-06-10
		9	Inertial response	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 13		2025-06-10
		10	Overload capacity	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 16		2025-06-10
		11	Automatic Generation Control (AGC)	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 17		2025-06-10
		12	Automatic Voltage Control (AVC)	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 18		2025-06-10
		13	Emergency power support	《Test code for electrochemical energy storage station connected to power grid》 GB/T 36548-2024 19		2025-06-10
165	Prefabricated cabin lithium ion battery energy storage system		Part of Parameters	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024	Except for mechanical performance, charge and discharge performance	2025-06-10



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		№	Item/ Parameter			
					e, fault crossing, operation adaptability , anti-island protection, alternate wet and heat, lightning protection, electromagnetic; Thermal runaway diffusion is carried out in Meicun	
		1	Appearance	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.4		2025-06-10
		2	Dimension	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.5		2025-06-10
		3	Class of protection	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.6		2025-06-10
		4	Starting and stopping machinery	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.7		2025-06-10
		5	Power control function	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.8		2025-06-10



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		№	Item/ Parameter			
		6	And off-grid switching	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.9		2025-06-10
		7	Alarm and protection	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.10		2025-06-10
		8	Communication	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.11		2025-06-10
		9	Information collection and display	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.12		2025-06-10
		10	Data storage	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 7.8		2025-06-10
		11	Overload capacity	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.15		2025-06-10
		12	Charge and discharge conversion time	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.16		2025-06-10
		13	Power control	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.17		2025-06-10
		14	Power quality	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.18		2025-06-10
		15	Impulse withstand voltage	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.23		2025-06-10
		16	Electrical clearance and creepage distance	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.22		2025-06-10
		17	Insulation resistance	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.24		2025-06-10



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Dielectric strength	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.25		2025-06-10
		19	Ground connection	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.26		2025-06-10
		20	Noise	《Technical Specification for Prefabricated Cabin lithium ion Battery Energy Storage System》 GB/T44026-2024 10.28		2025-06-10
166	Secondary lithium cells and batteries used in electrical energy storage systems	1	Abnormal heat resistance	《Secondary lithium cells and batteries used in electrical energy storage systems-Safety requirements》 GB 44240-2024 9.1		2025-06-10
				《Fire hazard testing for electric and electronic products—Part 21: Abnormal heat—Ball pressure test method》 GB/T 5169.21-2017 8		2025-06-10
(10)、Vehicle						
1	electric self-balancing scooters	1	salt fog resistance test	《Safety specifications for electric self-balancing scooters》 GB/T 34667-2017 6.3.2		2024-06-21
		2	energy recovery overcharge protection	《safety requirements and test method for electric self-balancing scooters》 GB/T34668-2017 9.1.5		2024-06-21
		3	vibration	《safety requirements and test method for electric self-balancing scooters》 GB/T34668-2017 9.4.1		2024-06-21
		4	Dustproof performance	《Safety specifications for electric self-balancing scooters》 GB/T34667-2017 5.4.2		2024-06-21
		5	temperature shock	《safety requirements and test method for electric self-balancing scooters》 GB/T34668-2017 9.4.4		2024-06-21
2	electric self-balancing scooters	1	The battery and battery pack project	《General specifications for electrical self-balancing vehicles》 GB/T 34667-2023 5.2.7		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《Specification of lithium ion cells and batteries used in self-balancing vehicle》 SJ/T 11685-2017 5		2024-06-21
(11)、General parameters for metal material						
1	Copper and copper alloys	1	Copper content	《Methods for chemical analysis of copper and copper alloys - Part 1:Determination of copper content》 GB/T 5121.1-2008		2024-06-21
				《Determination of copper content in copper-Rapid electrolysis by controlling potential and the flame atomic absorption spectrophotometric method》 Q/CPVT 006-2014		2024-06-21
		2	Phosphorus content	《Methods for chemical analysis of copper and copper alloys - Part 2:Determination of phosphorus content》 GB/T 5121.2-2008		2024-06-21
		3	Lead content	《Methods for chemical analysis of copper and copper alloys - Part 3:Determination of lead content》 GB/T 5121.3-2008		2024-06-21
		4	carbon and sulfur content	《Methods for chemical analysis of copper and copper alloys - Part 4:Determination of carbon and sulfur content》 GB/T 5121.4-2008		2024-06-21
		5	Nickel content	《Methods for chemical analysis of copper and copper alloys - Part 5:Determination of nickel content》 GB/T 5121.5-2008		2024-06-21
		6	Bismuth content	《Methods for chemical analysis of copper and copper alloys - Part 6:Determination of bismuth content》 GB/T 5121.6-2008		2024-06-21
		7	Arsenic content	《Methods for chemical analysis of copper and copper alloys - Part 7:Determination of arsenic content》 GB/T 5121.7-2008		2024-06-21
		8	Iron content	《Methods for chemical analysis of copper and copper alloys- Part 9:Determination of iron content》 GB/T 5121.9-2008		2024-06-21
		9	Tin content	《Methods for chemical analysis of copper and copper alloys - Part 10:Determination of tin content》 GB/T 5121.10-2008		2024-06-21



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		№	Item/ Parameter			
		10	Zinc content	《Methods for chemical analysis of copper and copper alloys - Part 11:Determination of zinc content》 GB/T 5121.11-2008		2024-06-21
		11	Antimony content	《Methods for chemical analysis of copper and copper alloys- Part 12:Determination of antimony content》 GB/T 5121.12-2008		2024-06-21
		12	Silver content	《Methods for chemical analysis of copper and copper alloys - Part 19:Determination of silver content》 GB/T 5121.19-2008		2024-06-21
		13	oxygen content	《Methods for chemical analysis of copper and copper alloys— Part 8:Determination of oxygen content》 GB/T 5121.8-2008		2024-06-21
		14	Aluminium content	《Methods for chemical analysis of copper and copper alloys - Part 13:Determination of aluminium content》 GB/T 5121.13-2008		2024-06-21
		15	Manganese content	《Methods for chemical analysis of copper and copper alloys - Part 14: Determination of manganese content》 GB/T 5121.14-2008		2024-06-21
		16	Cobalt content	《Methods for chemical analysis of copper and copper alloys- Part 15:Determination of cobalt content》 GB/T 5121.15-2008		2024-06-21
		17	Chromium content	《Methods for chemical analysis of copper and copper alloys - Part 16:Determination of chromium content》 GB/T 5121.16-2008		2024-06-21
		18	Beryllium content	《Methods for chemical analysis of copper and copper alloys- Part 17:Determination of beryllium content》 GB/T 5121.17-2008		2024-06-21
		19	Magnesium content	《Methods for chemical analysis of copper and copper alloys - Part 18:Determination of magnesium content》 GB/T 5121.18-2008		2024-06-21
		20	Zirconium content	《Methods for chemical analysis of copper and copper alloys -		2024-06-21



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				Part 20:Determination of zirconium content》 GB/T 5121.20-2008		
		21	Titanaum content	《Methods for chemical analysis of copper and copper alloys - Part 21:Determination of titanaum content》 GB/T 5121.21-2008		2024-06-21
		22	Cadmium content	《Methods for chemical analysis of copper and copper alloys - Part 22:Determination of cadmium content》 GB/T 5121.22-2008		2024-06-21
		23	Silicon content	《Methods for chemical analysis of copper and copper alloys - Part 23:Determination of silicon content》 GB/T 5121.23-2008		2024-06-21
		24	Selenium and tellurium content	《Methods for chemical analysis of copper and copper alloys- Part 24:Determination of selenium and tellurium content》 GB/T 5121.24-2008		2024-06-21
		25	Boron content	《Methods for chemical analysis of copper and copper alloys- Part 25:Determination of boron content》 GB/T 5121.25-2008		2024-06-21
		26	Mercury content	《Methods for chemical analysis of copper and copper alloys- Part 26:Determination of mercury content》 GB/T 5121.26-2008		2024-06-21
		27	lead	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		28	Iron	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		29	bismuth	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		30	arsenic	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		31	tin	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21



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		32	nickel	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		33	phosphorus	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		34	sulfur	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		35	Manganese content	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		36	silicon	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		37	chromium	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		38	aluminum	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		39	silver	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		40	Zirconium	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		41	magnesium	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		42	selenium	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		43	Antimony	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		44	cadmium	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21



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		45	tellurium	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		46	zinc	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		47	cobalt	《Methods for analysis of copper and copper alloys- The spark discharge atomic emission spectrometry》 YS/T 482-2022		2024-06-21
		48	phosphorus	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		49	nickel	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		50	cadmium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		51	beryllium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		52	selenium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		53	magnesium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		54	silver	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21



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		55	bismuth	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		56	antimony	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		57	arsenic	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		58	iron	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		59	lead	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		60	tin	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		61	sulfur	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		62	zinc	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		63	manganese	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21



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		64	tellurium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		65	aluminum	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		66	silicon	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		67	cobalt	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		68	titanium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		69	zirconium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		70	chromium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		71	boron	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21
		72	mercury	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectrometric method》 GB/T 5121.27-2008		2024-06-21



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2	Iron,steel and alloy	1	Total sulfur content	《Steel and iron Determination of sulfur content -Infrared absorption method after combustion in an induction furnace》 ISO 4935-1989 (E)		2024-06-21
		2	sulfur content	《Steel and iron-Determination of sulfur content-Infrared absorption method after combustion in an induction furnace》 GB/T 223.85-2009		2024-06-21
		3	Oxygen	《Steel and Iron-Determination of oxygen content-The pulse heating inert gas fusion-infra-red absorption method》 GB/T 11261-2006		2024-06-21
		4	Nitrogen	《Steel and iron-Determination of nitrogen content-Thermal conductimetric method after fusion in a current of inert gas(Routine method)》 GB/T 20124-2006		2024-06-21
3	Carbon and Low-Alloy steel	1	Carbon	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		2	silicon	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		3	Manganese	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		4	Phosphorus	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		5	sulfur	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	chromium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		7	nickel	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		8	tungsten	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		9	Molybdenum	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		10	Vanadium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		11	aluminum	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		12	Titanium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		13	Copper	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		14	niobium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		15	cobalt	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		16	boron	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		17	Zirconium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		18	arsenic	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
		19	tin	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2024-06-21
4	Lead and lead alloys	1	Tin content	《Methods for chemical analysis of lead and lead alloys-Part 1:Determination of tin content》 GB/T 4103.1-2012		2024-06-21
		2	Antimony content	《Methods for chemical analysis of lead and lead alloys-Part 2:Determination of antimony content》 GB/T 4103.2-2012		2024-06-21
		3	Copper content	《Methods for chemical analysis of lead and lead alloys-Part 3:Determination of copper content》 GB/T 4103.3-2012		2024-06-21
		4	Iron content	《Methods for chemical analysis of lead and lead alloys-Part 4:Determination of iron content》 GB/T 4103.4-2012		2024-06-21
		5	Bismuth content	《Methods for chemical analysis of lead and lead alloys-Part 5:Determination of bismuth content》 GB/T 4103.5-2012		2024-06-21
		6	Arsenic content	《Methods for chemical analysis of lead and lead alloys-Part 6:Determination of arsenic content》 GB/T 4103.6-2012		2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Calcium content	《Methods for chemical analysis of lead and lead alloys-Part 9:Determination of calcium content》 GB/T 4103.9-2012		2024-06-21
		8	Silver content	《Methods for chemical analysis of lead and lead alloys-Part 10:Determination of silver content》 GB/T 4103.10-2012	Accredited only for Method I	2024-06-21
		9	Zinc content	《Methods for chemical analysis of lead and lead alloys-Part 11:Determination of zinc content》 GB/T 4103.11-2012		2024-06-21
		10	Thallium content	《Methods for chemical analysis of lead and lead alloys-Part 12:Determination of thallium content》 GB/T 4103.12-2012		2024-06-21
5	aluminium and aluminium alloys	1	silicon	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015 7		2024-06-21
		2	Iron	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		3	Copper	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		4	manganese	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		5	magnesium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		6	chromium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		7	nickel	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		8	zinc	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		9	Titanium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	gallium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		11	Vanadium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		12	Zirconium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		13	beryllium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		14	lead	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		15	tin	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		16	Antimony	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		17	bismuth	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		18	strontium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		19	Cerium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		20	calcium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		21	phosphorus	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		22	cadmium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		23	arsenic	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
		24	Sodium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2024-06-21
6	Titanium and Titanium Alloys	1	Oxygen	《Standard Test Method for Determination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E 1409-2008		2024-06-21
		2	Nitrogen	《Standard Test Method for Determination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E 1409-2008		2024-06-21
		3	Hydrogen	《Standard Test Method for Determination of Hydrogen in Titanium and Titanium Alloys by Inert Gas Fusion Thermal Conductivity/Infrared Detection Method》 ASTM E 1447-2009		2024-06-21
7	Tin	1	copper content	《Methods for chemical analysis of tin-Part 1:Determination of copper content-Flame atomic absorption spectrometric method》 GB/T 3260.1-2013		2024-06-21
		2	Iron content	《Methods for chemical analysis of tin-Part 2:Determination of iron content-1,10-phenanthroline photometric method》 GB/T 3260.2-2013		2024-06-21
		3	lead content	《Methods for chemical analysis of tin-Part 4:Determination of lead content-Flame atomic absorption spectrometric method》 GB/T 3260.4-2013		2024-06-21
		4	zinc content	《Methods for chemical analysis of tin-Part 8:Determination of zinc content-Flame atomic absorption spectrometric method》 GB/T 3260.8-2013		2024-06-21
8	tin-lead solders	1	Tin content	《Methods for chemical analysis of tin-lead solders-Determination of tin content》 GB/T 10574.1-2003		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Antimony content	《Methods for chemical analysis of tin-lead solders-Determination of antimony content》 GB/T 10574.2-2003		2024-06-21
		3	Bismuth content	《Methods for chemical analysis of tin-lead solders-Determination of bismuth content》 GB/T 10574.3-2003		2024-06-21
		4	Iron content	《Methods for chemical analysis of tin-lead solders-Determination of iron content》 GB/T 10574.4-2003		2024-06-21
		5	Arsenic content	《Methods for chemical analysis of tin-lead solders-Determination of arsenic content》 GB/T 10574.5-2003		2024-06-21
		6	Copper content	《Methods for chemical analysis of tin-lead solders-Determination of copper content》 GB/T 10574.6-2003		2024-06-21
9	tin-lead solders	1	Silver content	《Methods for chemical analysis of tin-lead solders-Part7:Determination of silver content- Flame atomic absorption spectrometry and potassium thiocyanate potentiometric titration》 GB/T 10574.7-2017		2024-06-21
		2	Zinc content	《Methods for chemical analysis of tin-lead solders-Part8: Determination of zinc content- Flame atomic absorption spectrometric method》 GB/T 10574.8-2017		2024-06-21
		3	Cadmium content	《Methods for chemical analysis of tin-lead solders-Part10: Determination of cadmium content-Flame atomic absorption spectrometry and Na2EDTA titration》 GB/T 10574.10-2017		2024-06-21
		4	Sulphur content	《Methods for chemical analysis of tin-lead solders-Part12: Determination of sulphur content- High frequency combustion with infrared absorption method》 GB/T 10574.12-2017		2024-06-21
10	tin-lead solders	1	Phosphorus content	《Methods for chemical analysis of tin-lead solders-Part 11:Determination of phosphorus content -Crystal violet phosphorus-vanadium-molybdeum heteropoly acid spectrophotometry》 GB/T 10574.11-2017		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Antimony	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		3	Bismuth	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		4	Iron	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		5	Arsenic	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		6	Copper	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		7	Silver	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				atomic emission spectrometric method》 GB/T 10574.13-2017		
		8	Zinc	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		9	Aluminum	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		10	Cadmium	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		11	Phosphorous	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
		12	Gold	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of antimony,bismuth,iron,arsenic,copper,silver,zinc,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2024-06-21
11	anodic oxidation	1	Assessment of quality of sealed	《Anodizing of aluminium and its alloys-Assessment of quality of sealed anodic oxide coatings-Part 1: Measurement of the loss		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	coatings of aluminium and aluminium alloys		anodic oxide coatings	of mass after immersion in acid solution(s)) GB/T 8753.1-2017 12 《Anodizing of aluminium and aluminium alloys-Assessment of quality of sealed anodic oxide coatings - Part 2:Phosphoric acid/chromic acid test with nitric acid predip》 GB/T 8753.2-2005		2024-06-21
12	Non-magnetic coatings on magnetic substrates-Coating thickness	1	Coating thickness	《Non-magnetic coatings on magnetic substrates-Measurement of coating thickness-Magnetic method》 GB/T 4956-2003		2024-06-21
13	Non-conductive coatings on non-magnetic basis metais	1	Coatings thickness	《Non-conductive coatings on non-magnetic basis metais-Measurement of coatings thickness-Eddy current》 GB/T 4957-2003		2024-06-21
14	Hot-rolled steel bars	1	size	《Hot-rolled steel bars-Dimensions,shape,weight and tolerances》 GB/T 702-2017		2024-06-21
		2	weight	《Hot-rolled steel bars-Dimensions,shape,weight and tolerances》 GB/T 702-2017		2024-06-21
15	Metallic materials	1	Galvanized coatings	《Test method for gravimetric determination of the mass per unit area of galvanized coatings on steel products》 GB/T1839-2008		2024-06-21
16	raw and auxiliary materials	1	Quantity analysis	《General rules for atomic absorption spectrometric analysis》 GB/T 15337-2008		2024-06-21
		2	Salt spray test	《Corrosion tests in artificial atmospheres.Salt spray tests》 GB/T 10125-2021		2024-06-21
				《Corrosion tests in artificial atmospheres-Salt spray tests》 ISO 9227:2006		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
17	Metallic materials	1	tensile strength	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 10.3.3	Accredited only for tension less than 1000KN	2024-06-21
		2	yield strength	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 10.3.3、11、12、13、14、16、20、21	Accredited only for tension less than 1000KN, Method B	2024-06-21
		3	Elongation rate	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 20		2024-06-21
		4	Section shrinkage	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 21		2024-06-21
		5	Vickers hardness	《Metallic materials--Vickers hardness test-- Part 1: Test method》 GB/T 4340.1-2009 7		2024-06-21
		6	Bend test	《Metallic materials-Bend test》 GB/T 232-2010 7		2024-06-21
		7	Surface morphology and size measurement	《General rules of analytical methods for scanning electron microscopy》 JY/T 0584-2020 6		2024-06-21
				《General rules for measurement of length in micron scale by SEM》 GB/T 16594-2008 5		2024-06-21
				《General rules for nanometer-scale length measurement by SEM》 GB/T 20307-2006 5		2024-06-21
		8	Determination of modulus of elasticity	《Metallic materials.Determination of modulus of elasticity and Poisson's ratio》 GB/T 22315-2008 5	Accredited only for Static method	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Poisson's ratio	《Metallic materials.Determination of modulus of elasticity and Poisson's ratio》 GB/T 22315-2008 5	Accredited only for Static method	2024-06-21
		10	Rockwell hardness	《Metallic materials--Rockwell hardness test--Part 1:Test method》 GB/T 230.1-2018 7	Accredited only for HRA、HRB、HRC	2024-06-21
		11	Brinell hardness	《Metallic materials--Brinell hardness test--Part 1: Test method》 GB/T 231.1-2018 7		2024-06-21
		12	Coating inckness of metallic and oxide coatings	《Metallic and oxide coatings-Measurement of coating inckness-Microscopical method》 GB/T 6462-2005 7		2024-06-21
18	fasteners Bolts, screws and studs	1	Wedge load test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.1	only for tension less than 1000KN	2024-06-21
		2	Tensile test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.2	only for tension less than 1000KN	2024-06-21
		3	Guaranteed load test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.6	only for tension less than 1000KN	2024-06-21
		4	Tensile test of fasteners	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.3	only for tension less than 1000KN	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Head firmness test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.8		2024-06-21
		6	Vickers hardness	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.9		2024-06-21
		7	Carburization	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.11		2024-06-21
		8	Decarburization	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.10		2024-06-21
		9	Torque test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.13		2024-06-21
		10	Minimum tensile load	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.4		2024-06-21
		11	Minimum tensile strength	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.5		2024-06-21
		12	Tensile test of mechanical machining	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.7		2024-06-21
		13	impact test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.14		2024-06-21
19	Metallic materials	1	Metallic materials	《Analysis of nickel alloy composition by inductively coupled plasma atomic emission spectrometry》 ASTM E2594-20 3		2024-06-21
20	Metallic materials	1	.Nitrogen、 Oxygen	《Standard Test Method for carbon, sulfur, nitrogen, and oxygen in steel, iron, nickel, and cobalt alloys by different combustion and inert gas fusion techniques》 ASTM E1019-18 3,4		2024-06-21
21	Metallic materials	1	Yield Strength	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for : 200℃~1200℃	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					≤300kN, Method B, Circular Specimen	
		2	Proof strength, plastic extension	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for : 200°C~120 0°C ≤300kN, Method B, Circular Specimen	2024-06-21
		3	Percentage elongation after fracture	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for : 200°C~120 0°C ≤300kN, Circular Specimen	2024-06-21
		4	Percentage reduction of area	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for : 200°C~120 0°C ≤300kN, Circular Specimen	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
22	Metallic materials	1	Fatigue life	《The test method for axial loading constant-amplitude low-cycle fatigue of metallic materials》 GB/T 15248-2008 7	Accredited only for tension less than 100kN	2024-06-21
		2	Stress-strain hysteresis loop	《The test method for axial loading constant-amplitude low-cycle fatigue of metallic materials》 GB/T 15248-2008 7	Accredited only for tension less than 100kN	2024-06-21
23	Metallic materials	1	Fatigue life	《Metallic materials-Fatigue testing-Axial-strain-controlled method》 GB/T 26077-2021 7	Accredited only for $\leq 100\text{kN}$ $\leq 1000^\circ\text{C}$	2024-06-21
		2	hysteresis loop	《Metallic materials-Fatigue testing-Axial-strain-controlled method》 GB/T 26077-2021 7	Accredited only for $\leq 100\text{kN}$ $\leq 1000^\circ\text{C}$	2024-06-21
24	Metallic materials	1	Fatigue crack growth rate	《Metallic materials-Fatigue testing-Fatigue crack growth method》 GB/T 6398-2017 7	Accredited only for $\leq 100\text{kN}$ Specimen: standard compact tensile specimen (CT)	2024-06-21
25	Metallic materials	1	Plane-strain fracture toughness	《Metallic materials-Determination of plane-strain fracture toughness》 GB/T 4161-2007 8	Accredited only for $\leq 100\text{kN}$ Specimen: standard	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					compact tensile specimen (CT)	
26	metallic and other inorganic coatings on metallic substrates	1	Rating of test specimens and manufactured articles subjected to corrosion tests	《Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates-Rating of test specimens and manufactured articles subjected to corrosion tests》 GB/T 6461-2002		2024-06-21
27	Bare wire	1	Tensile test	《Test methods for bare wires—Part 3: Tensile test》 GB/T 4909.3-2009 6		2024-06-21
28	Dental prefabricated root post		Partial parameters	《Dental prefabricated root post》 YY/T 0517-2009	Accredited only for Appearance, size, internal porosity	2024-06-21
29	TitaniumAlloys	1	Microstructure	《Wrought titanium and titanium alloy for surgical implants》 GB/T 13810-2017 3.3.3.5		2024-06-21
30	Metallicmaterials	1	fatigue testing	《Metallic materials—Fatigue testing—Axial force-controlled method》 GB/T 3075-2021 4	Accredited only for ≤100kN Sample: round or strip type	2024-06-21
		2	fatigue life	《Metallic materials-Fatigue testing-Axial-strain-controlled method》 GB/T 26077-2021 7	Accredited only for ≤100kN, ≤1000°C	2024-06-21



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		№	Item/ Parameter			
		3	hysteresis loop	《Metallic materials-Fatigue testing-Axial-strain-controlled method》 GB/T 26077-2021 7	Accredited only for $\leq 100\text{kN}$, $\leq 1000^\circ\text{C}$	2024-06-21
31	Nuts	1	Guaranteed load	《Mechanical properties of fasteners--Nuts》 GB/T 3098.2-2015 8.1	only for tension less than 1000KN	2024-06-21
32	Metallic materials and parts	1	tensile strength	《Test pieces and methods for tensile test for wrought aluminium, magnesium and their alloy products》 GB/T 16865-2023 6.9.2	Accredited only for tension less than 1000KN	2024-06-21
		2	Proof strength,non-proportional extension	《Test pieces and methods for tensile test for wrought aluminium, magnesium and their alloy products》 GB/T 16865-2023 6.9.1	Accredited only for tension less than 1000KN	2024-06-21
		3	Elongation rate	《Test pieces and methods for tensile test for wrought aluminium, magnesium and their alloy products》 GB/T 16865-2023 6.9.3	Accredited only for tension less than 1000KN	2024-06-21
		4	Section shrinkage	《Test pieces and methods for tensile test for wrought aluminium, magnesium and their alloy products》 GB/T 16865-2023 6.9.4	Accredited only for tension less than 1000KN	2024-06-21
		5	Low multiple Structurereview	《Structural steel low Multiple Structurereview grade》 GB/T 1799-2001		2024-06-21



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			grade	《Test method for macrostructure and defect of steel by etching》 GB/T 226-2015	Accredited only for hot acid corrosion method and cold acid corrosion method	2024-06-21
		6	microscopic structure	《Determination of free cementite, pearlite and widmanstatten structure in steel》 GB/T 13299-2022		2024-06-21
				《Inspection methods of microstructure for metals》 GB/T 13298-2015		2024-06-21
		7	Average crystal grain size	《average metal grain degree measurement methods》 GB/T 6394-2017	Accredited only for comparison method, intercept method	2024-06-21
		8	Non metal components	《Determination of content of nonmetallic inclusions in steel- Micrographic method using standard diagrams》 GB/T 10561-2023 5		2024-06-21
		9	Metallographic test for spheroidal graphite cast iron	《Metallographic test for spheroidal graphite cast iron》 GB/T 9441-2021	Except for Clause 4: calculation of spheroidization rate	2024-06-21
		10	Metallographic test for gray cast iron	《Metallographic test for gray cast iron》 GB/T 7216-2023		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	Depth of decarburization of steels	《Determination of depth of decarburization of steels》 GB/T 224-2019	Accredited only for metallographic method and microhardness method	2024-06-21
		12	Steel parts nitrogen penetrating laminar depth measurement and metal phase test	《Steel parts nitrogen penetrating laminar depth measurement and metal phase test》 GB/T 11354-2005		2024-06-21
		13	Metallographic of carburizing quenching and tempering of steel parts	《Metallographic examination for carburizing quenching and tempering of steel parts》 GB/T 25744-2010		2024-06-21
		14	Effective density	《Standard Test Method for Metal Powder Skeletal Density by Helium or Nitrogen Pycnometry》 ASTM B923-2016		2024-06-21
33	Bolts,screws and studs made of stainless-steel	1	tensile strength	《Mechanical properties of fasteners-Stainless steel bolts,screws and studs》 GB/T 3098.6-2023 9.1		2024-06-21
		2	Tensile testing of bolts and screws due to reduced load-bearing capacity due to head design	《Mechanical properties of fasteners-Stainless steel bolts,screws and studs》 GB/T 3098.6-2023 9.2		2024-06-21
		3	Tensile testing of bolts, screws, and studs due to reduced load-bearing	《Mechanical properties of fasteners-Stainless steel bolts,screws and studs》 GB/T 3098.6-2023 9.3		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			capacity due to rod design			
		4	Torque test	《Mechanical properties of fasteners-Stainless steel bolts,screws and studs》 GB/T 3098.6-2023 9.4		2024-06-21
		5	Wedge load	《Mechanical properties of fasteners-Stainless steel bolts,screws and studs》 GB/T 3098.6-2023 9.5		2024-06-21
		6	hardness test	《Metallic materials--Vickers hardness test--Part 1:Test method》 GB/T 4340.1-2009 9.6		2024-06-21
(12)、General parameters for electrical and electronic products						
1	electric and electronic products	1	Salt spray test	《Environmental testing for electric and electronic products-Part2:Test methods-Test Ka:Salt mist》 GB/T 2423.17-2008		2024-06-21
				《Environmental testing for electric and electronic products-Part2:Test methods-Test Ka:Salt mist》 IEC 60068-2-11:1981		2024-06-21
		2	Flame resistance(Case/PC B/insulation material)	《Fire hazard testing for electric and electronic products-part 16: Test flames-50W horizontal and vertical flame test methods,IDT 》 GB/T 5169.16-2017		2024-06-21
		3	Vibration Test	《Environmental testing —Part2:Tests methods-Test Fc: Vibration(sinusoidal)》 GB/T 2423.10-2019	Accredited only for 10~2000Hz	2024-06-21
		4	Damp heat, steady state	《Environmental testing -Part 2-78:Tests-Test Cab:Damp heat, steady state IDT》 IEC 60068-2-78:2012		2024-06-21
				《Environmental testing - Part2::Testing method - Test Cab:Damp heat,steady state》 GB/T 2423.3-2016		2024-06-21
2	Environmental testing for	1	Low temperature test (low	《Environmental testing for electric and electronic products-Part2:Test methods-Tests A:Cold》 GB/T 2423.1-2008	Accredited only	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	electric and electronic products		temperature test)		for: Temperature: $\geq -40^{\circ}\text{C}$	
		2	High temperature test (high temperature test)	《Environmental testing for electric and electronic products- Part2: Test methods-Tests B: Dry heat》 GB/T 2423.2-2008	Accredited only for: Temperature: $\leq 150^{\circ}\text{C}$	2024-06-21
		3	Damp heat test	《Environmental testing for electric and electronic products- Part2: Test methods-Tests Db: Damp heat, cyclic (12h+12h cycle)》 GB/T 2423.4-2008		2024-06-21
		4	Mechanical strength test	《Environmental testing for electric and electronic products- Part 2: Test methods-Test Eh: Hammer tests》 GB/T 2423.55-2006	revoked and retained, which can only be used when referenced.	2024-06-21
		5	Test to prevent the entry of solid foreign bodies	《Degrees of protection provided by enclosure (IP code)》 GB/T 4208-2017 13	Accredited only for 1m ³ and less samples	2024-06-21
		6	Test to prevent water from entering	《Degrees of protection provided by enclosure (IP code)》 GB/T 4208-2017 14	no second feature number 9 test	2024-06-21
3	Electrical and electronic products	1	lead	《Electrical and electronic products-Determination of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl	Except for ICP-MS	2024-06-21



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		№	Item/ Parameter			
		2	mercury	ethers)》 GB/T 26125-2011		
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 IEC 62321:2008	Except for ICP-MS	2024-06-21
				《Electrical and electronic products-Determination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011	Except for ICP-MS	2024-06-21
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 IEC 62321:2008	Except for ICP-MS	2024-06-21
		3	cadmium	《Electrical and electronic products-Determination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011	Except for ICP-MS	2024-06-21
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 IEC 62321:2008	Except for ICP-MS	2024-06-21
		4	hexavalent chromium	《Electrical and electronic products-Determination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011	Except for ICP-MS	2024-06-21
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 IEC 62321:2008	Except for ICP-MS	2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				ethers)》 IEC 62321:2008		
4	electric and electronic product	1	salt spray	《Environmental testing-Part 2:Tests-Test Kb:Salt mist,cyclic(sodium chloride solution)》 GB/T 2423.18-2021		2024-06-21
5	Electrical and electronic products	1	Tests for protection against solid foreign objects indicated by the first characteristic numeral	《Degrees of protection provided by enclosures(IP code)》 IEC 60529:2013 13		2024-06-21
		2	Tests for protection against water indicated by the second characteristic numeral	《Degrees of protection provided by enclosures(IP code)》 IEC 60529:2013 14	Do not test the second characteristic number 9	2024-06-21
6	Electronic and electrical products	1	total Br	《Electronic and electrical products -- Determination of six restricted substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers)》 GB/T 26125-2011 6		2024-06-21
		2	total Cr	《Electical and electronic products-Detemination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011 6		2024-06-21
7	Electronic and electrical products	1	Phthalate	《Determination of certain substances in electrotechnical products – Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py/TD-GC-MS) 》 IEC 62321-8-2017 8		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
8	electric and electronic products	1	Dust and sand	《Environmental testing for electric and electronic products — Part 2: Test methods-Test L: Dust and sand》 GB/T 2423.37-2006		2024-06-21
				《Environmental testing Part 2: Tests-Test L: Dust and sand》 IEC 60068-2-68:1994		2024-06-21
9	electrical and electronic products	1	Pb、Cd、Cr、Hg、Br	《Determination of certain substances in electrical and electronic products-Part 1: Introduction and overview》 GB/T 39560.1-2020 4.3		2024-06-21
		2	Pb、Cd、Cr、Hg、Br	《Determination of certain substances in electrical and electronic products—Part 2: Disassembly, disjointment and mechanical sample preparation》 GB/T 39560.2-2020 5		2024-06-21
		3	Pb、Cd、Cr、Hg、Br	《Determination of certain substances in electrical and electronic products—Part 3-1: Screening lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry》 GB/T 39560.301-2020 8		2024-06-21
		4	Hg	《Determination of certain substances in electrical and electronic products-Part 4:Mercury in polymers,metals and electronics by CV-AAS,CV-AFS,ICP-OES and ICP-MS》 GB/T 39560.4-2021 7		2024-06-21
		5	Pb、Cd、Cr、Hg	《Determination of certain substance in electrical and electronic products-Part 5:Cadmium,lead and chromium in polymers and electronics and cadmium and lead in metals by AAS,AFS,ICP-OES and ICP-MS》 GB/T 39560.5-2021 7		2024-06-21
		6	PBBs、PBDEs	《Determination of certain substances in electrical and electronic products—Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)》 GB/T 39560.6-2020 8		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Cr (IV)	《Determination of certain substances in electrical and electronic products-Part 7-1:Hexavalent chromium-Presence of hexavalent chromium[Cr(VI)] in colourless and coloured corrosion-protected coatings on metals by the colorimetric method》 GB/T 39560.701-2020 7		2024-06-21
		8	Cr (IV)	《Determination of certain substances in electrical and electroinic products-Part 7-2:Hexavalent chrome-Determination of hexavalent chrome[Cr (VI)]in polymers and electronics by the colormetric method》 GB/T 39560.702-2021 7		2024-06-21
(13)、General parameters for polymer material						
1	Plastics	1	Water vapour transmission rate	《Determination of water vapour transmission rate for plastic film and sheeting-Electrolytic detection sensor method》 GB/T 21529-2008		2024-06-21
				《Determination of water vapour transmission rate for plastic-film and sheeting-Infrared detection sensor method》 GB/T 26253-2010		2024-06-21
		2	shrinkage	《Plastics—film and sheeting—Determination of dimensional change on heating》 GB/T 12027-2004		2024-06-21
				《Plastics—film and sheeting—Determination of dimensional change on heating》 ISO 11501:1995		2024-06-21
		3	Luminous transmittance	《Determination of the luminous transmittance and haze of transparent plastics》 GB/T 2410-2008		2024-06-21
		4	haze	《Determination of the luminous transmittance and haze of transparent plastics》 GB/T 2410-2008		2024-06-21
		5	Whiteness Indices	《Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates》 ASTM E 313-2010		2024-06-21



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Yellowness Indices	《Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates》 ASTM E 313-2010		2024-06-21
		7	Width	《Plastics-Film and Sheeting-Determination of length and width》 ISO 4592:1992		2024-06-21
		8	Tensile Strength	《Standard Test Method for Tensile Properties of Thin Plastic Sheeting》 ASTM D 882-2012		2024-06-21
		9	Percent Elongation at Break	《Standard Test Method for Tensile Properties of Thin Plastic Sheeting》 ASTM D 882-2012		2024-06-21
		10	thickness	《Plastics film and sheeting-Determination of thickness by mechanical scanning》 GB/T 6672-2001		2024-06-21
				《Plastics-Film and sheeting-Determination of thickness by mechanical scanning》 ISO 4593:1993		2024-06-21
		11	Pell force test	《Test method for peel force of flexible laminated plastics》 GB/T 8808-1988		2024-06-21
		12	water absorption	《Plastics-Determination of water absorption》 GB/T 1034-2008		2024-06-21
				《Plastics Determination of water absorption》 ISO 62:2008		2024-06-21
		13	Flame resistance	《Plastics-Determination of burning characteristics- Horizontal and vertical test》 GB/T 2408-2008	revoked and retained, which can only be used when referenced.	2024-06-21
		14	Ash	《Plastics.Determination of ash.Part1:General methods》 GB/T 9345.1-2008		2024-06-21



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		15	density	《Plastics-Methods for determining the density of non-cellular plastics-Part 1:Immersion method,liquid pyknometer method and titration method》 GB/T 1033.1-2008		2024-06-21
		16	Shear strength	《Fiber-reinforced plastics composites-The generals for determination of properties》 GB/T 1446-2005		2024-06-21
		17	Melt mass flow rate and melt volume flow rate	《Plastics.Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics.Part 1: Standard method》 GB/T 3682.1-2018		2024-06-21
		18	Thermoplastic materials--Determination of vicat softening temperature(VST)	《Plastics--Thermoplastic materials--Determination of vicat softening temperature(VST)》 GB/T 1633-2000 7		2024-06-21
		19	Oxygen index	《Plastics.Determination of burning behaviour by oxygen index.Part 2:Ambient-temperature test》 GB/T 2406.2-2009 8		2024-06-21
		20	Methods of heat aging	《Plastics.Methods of heat aging》 GB/T 7141-2008 8	Except for Method A	2024-06-21
		21	Determination of charpy impact properties	《Plastics.Determination of charpy impact properties.Part 1:Non-instrumented impact test》 GB/T 1043.1-2008 7		2024-06-21
		22	Determination of izod impact strength	《Plastics-Determination of izod impact strength》 GB/T 1843-2008 7		2024-06-21
		23	Determination of hardness	《Plastics.Determination of hardness.Part 2:Rockwell hardness》 GB/T 3398.2-2008 7		2024-06-21
		24	Determination of indentation hardness by means of a durometer(shore hardness)	《Plastics and ebonite.Determination of indentation hardness by means of a durometer(shore hardness)》 GB/T 2411-2008/ISO 868:2003 8		2024-06-21



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		25	bending stress	《Plastic.Determination of flexural properties》 GB/T 9341-2008 8		2024-06-21
		26	Bending strain	《Plastic.Determination of flexural properties》 GB/T 9341-2008 8		2024-06-21
		27	Bending modulus	《Plastic.Determination of flexural properties》 GB/T 9341-2008 8		2024-06-21
		28	Tensile stress	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.1-2018 GB/T 1040.2-2022		2024-06-21
		29	Tensile strain	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.1-2018 GB/T 1040.2-2022		2024-06-21
		30	Tensile modulus	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.1-2018 GB/T 1040.2-2022		2024-06-21
		31	Poisson ratio	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.1-2018 GB/T 1040.2-2022		2024-06-21
2	Plastic	1	Transportable elements	《Determination of antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium in toy materials inductively coupled plasma atomic emission spectrometry》 GB/T 30419-2013 8		2024-06-21
3	plastics	1	Tensile properties	《The determination of the tensile properties of plastics Part 3: film and sheet of test conditions》 GB/T 1040.3-2006		2024-06-21



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		2	the brittleness temperature	《Plastics - Determination of the brittleness temperature by impact》 GB/T 5470-2008	Accredited only for method A	2024-06-21
(14)、General parameters for insulation material						
1	Insulating materials	1	Breakdown voltage	《Insulating materials-Test methods for electric strength-Part 1:Tests at power frequencies》 GB/T 1408.1-2016		2024-06-21
				《Electrical strength of insulating materials-Test methods-Part 1:Tests at power frequencies》 IEC 60243-1:2013		2024-06-21
		2	Electrical strength	《Insulating materials-Test methods for electric strength-Part 1:Tests at power frequencies》 GB/T 1408.1-2016		2024-06-21
				《Electrical strength of insulating materials-Test methods-Part 1:Tests at power frequencies》 IEC 60243-1:2013		2024-06-21
		3	volume resistivity	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2024-06-21
		4	surface resistivity	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2024-06-21
		5	volume resistance	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2024-06-21
2	Rubber,vulcanized	6	surface resistance	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2024-06-21
		1	electrical breakdown strength	《Rubber,vulcanized—Determination of electrical breakdown strength and voltage resistant at commercial power frequency》 GB/T 1695-2005		2024-06-21
		2	voltage resistant	《Rubber,vulcanized—Determination of electrical breakdown strength and voltage resistant at commercial power frequency》 GB/T 1695-2005		2024-06-21



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		3	volume resistivity	《Vulcanized rubber-Determination of the insulation resistivity》 GB/T 1692-2008		2024-06-21
3	Solid insulating	1	surface resistivity	《Solid insulating materials-Dielectric and resistive properties-Part 3:Resistive properties(DC methods)-Surface resistance and surface resistivity》 GB/T 31838.3-2019		2024-06-21
		2	surface resistance	《Solid insulating materials-Dielectric and resistive properties-Part 3:Resistive properties(DC methods)-Surface resistance and surface resistivity》 GB/T 31838.3-2019		2024-06-21
		3	Volume resistivity	《Solid insulating materials-Dielectric and resistive properties-Part 2: Resistive properties (DC methods) -Volume resistance and volume resistivity》 GB/T 31838.2-2019		2024-06-21
		4	Volume resistance	《Solid insulating materials-Dielectric and resistive properties-Part 3: Resistive properties (DC methods) -Volume resistance and volume resistivity》 GB/T 31838.2-2019		2024-06-21
(15)、General parameters for raw and auxiliary material with paint film layer						
1	raw and auxiliary material with paint film layer	1	Neutral salt spray resistance test	《Paints and varnishes-Determination of resistance to neutral salt spray》 GB/T 1771-2007	revoked and retained, which can only be used when referenced.	2024-06-21
				《Paints and varnishes-Determination of resistance to neutral salt spray》 ISO 7253:1996		2024-06-21
		2	Cross cut test	《Paints and varnishes-Cross cut test for films》 GB/T 9286-1998	revoked and retained, which can	2024-06-21



№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					only be used when referenced.	
2	raw and auxiliary material with paint film layer	1	Paint film layer hardness	《Paints and varnishes-Determination of film hardness by pencil test》GB/T 6739-2022		2024-06-21



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