

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: 2024-12-10 Expiry Date: 2028-09-16

SCHEDULE 4 REFERENCE OF STANDARDS

No.	Product	Standard	Note	Effective Date
1	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012		2024-06-21
2	《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 IEC 61730-1:2004+AMD1:2011+A	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV		2024-06-21
		《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 GB/T 20047.1-2006		2024-06-21



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№.	Product	Standard	Note	Effective Date
	MD2:2013 CSV			
3	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》GB/T 9535-1998	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》GB/T 9535-1998		2024-06-21
		《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》IEC 61215:2005		2024-06-21
4	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》IEC 61215-2-2016	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2: Test procedures》IEC 61215-2-2016		2024-06-21
5	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》GB/T 18911-2002	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》GB/T 18911-2002		2024-06-21
		《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》IEC 61646:2008		2024-06-21
6	《Flat-Plate Photovoltaic	《Flat-Plate Photovoltaic Modules and Panels》UL 1703-2002		2024-06-21



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№.	Product	Standard	Note	Effective Date
	Modules and Panels》UL 1703-2002			
7	《Technical Requirements of PV Combiner Assemblies》 CNCA/CTS 0001-2011A	《Technical Requirements of PV Combiner Assemblies》 CNCA/CTS 0001-2011A		2024-06-21
8	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011	《Stationary lead-acid batteries - Vented types - Part 2: Capacity specifications and size 》 GB/T 13337.2-2011		2024-06-21
9	《Lead-acid batteries for stationary valve-regulated—Part 1: Technical requirements》 GB/T 19638.1-2014	《Lead-acid batteries for stationary valve-regulated—Part 2: Kinds of products and specification》 GB/T 19638.2-2014		2024-06-21
10	《General purpose valve-regulated lead-acid batteries—Part	《General purpose valve-regulated lead-acid batteries—Part 2: Kinds of products and specifications》 GB/T 19639.2-2014		2024-06-21



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	1:Technical conditons》 GB/T 19639.1-2014			
11	《Lead-acid batteries used for electric road vehicles》 GB/T 32620.1- 2016	《Lead-acid batteries used for electric road vehicles Part2:Kinds of products and specifications》 GB/T 32620.2-2016		2024-06-21
12	《Lead-acid starter batteries Part 1: General requirements and methods of test》 IEC 60095.1- 2006	《Lead-Acid Starter Batteries Part 2: Dimensions of Batteries and Dimensions and Marking of Terminals》 IEC 60095-2-2009		2024-06-21
13	《Stationary lead-acid batteries Part 22: Valve regulated types Requirements》 IEC 60896-22-2004	《Stationary lead-acid batteries Part 22: Valve regulated types Requirements》 IEC 60896-22-2004		2024-06-21
14	《General purpose lead- acid batteries (valve- regulated types) - Part 1: General requirementsIEC	《General purpose lead-acid batteries (valve-regulated types) Part 2: DimensionsIEC 61056-2-2012		2024-06-21



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№.	Product	Standard	Note	Effective Date
	61056.1-2012			
15	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》GB/T 5008.1-2013	《Lead-acid starter batteries-Part2: Dimensions of batteries and dimensions and marking of terminals》GB/T 5008.2-2013		2024-06-21
16	《Sealant material in terrestrial photovoltaic (PV) modules-Silicone sealant》GB/T 29595-2013	《Sealant material in terrestrial photovoltaic (PV) modules-Silicone sealant》GB/T 29595-2013	The extrudability, surface drying time, droop, tensile strength, 100% modulus, shear strength were tested in Dongting.	2024-06-21
17	《Flat glass》GB 11614-2009	《Flat glass》GB 11614-2022	Except for optical distortion in appearance quality and Rainbow	2024-06-21
18	《Insulating glass unit》GB/T 11944-2012	《Insulating glass unit》GB/T 11944-2012	No dew point, initial gas content, gas seal durability	2024-06-21
19	《Patterned glass》JC/T 511-2002	《Patterned glass》JC/T 511-2002		2024-06-21
20	《Safety glazing materials in building—	《Safety glazing materials in building—Part 3: Laminated glass》GB 15763.3-2009	Unexpected falling ball impact stripping	2024-06-21



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№.	Product	Standard	Note	Effective Date
	Part 3: Laminated glass》 GB 15763.3-2009	ilac-MRA CNAS CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT SCHEDULE OF ACCREDITATION CERTIFICATE	performance, bending degree, visible light projection ratio, visible light reflection ratio, wind pressure resistance, moisture resistance, radiation resistance test. The project was carried out in Zhangjiagang.	
21	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013	Unexpected geometry, optical properties, color uniformity, wear resistance	2024-06-21
22	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013	Unexpected geometry, optical properties, color uniformity, curvature, appearance quality, emissivity	2024-06-21
23	《Sealed insulating solar PV glass unit in building》 GB/T 29759-	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013	Contingency maximum power determination, UV radiation resistance,	2024-06-21



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№.	Product	Standard	Note	Effective Date
	2013		dew point test	
24	《Laminated solar PV glazing materials in building》GB 29551-2013	《Laminated solar photovoltaic(PV) glass in building》GB/T 29551-2023	except for Wind pressure resistance test and Shock resistance test	2024-06-21
25	《Requirements for concentration limits for certain hazardous substances in electronic information products》SJ/T 11363-2006	《Requirements of concentration limits for certain restricted substances in electrical and electronic products》GB/T 26572-2011		2024-06-21
26	《Photovoltaic modules safety qualification - Part2: Requirements for testing》IEC 61730-2:2016	《Photovoltaic modules safety qualification -Part2: Requirements for testing》IEC 61730-2:2016		2024-06-21
27	Metal materials and products	《Non-destructive testing of welds.Ultrasonic testing.Acceptance levels》GB/T 29712-2013		2024-06-21
		《Non-destructive testing of welds.Magnetic particle testing of welds.Acceptance levels》GB/T 26952-2011		2024-06-21



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№.	Product	Standard	Note	Effective Date
		《Non-destructive testing of welds.Penetrant testing of welds.Acceptance levels》 GB/T 26953-2011		2024-06-21
28	Light weight thermally strengthened glass	《Light weight thermally strengthened glass》 GB/T 34328-2017		2024-06-21
29	Valve-regulated lead-acid batteries for moped	《Valve-regulated lead-acid batteries for moped-Part2:Kinds of products and specifications》 GB/T 22199.2-2017		2024-06-21
30	《Testing code for Inveter Electromagnetic Compatibility of Photovoltaic Power Station》 NB/T 32033-2016	《Testing code for Inveter Electromagnetic Compatibility of Photovoltaic Power Station》 NB/T 32033-2016		2024-06-21
31	《Testing code for low voltage ride through of photovoltaic power station 》 NB/T 32005-2013	《Testing code for low voltage ride through of photovoltaic power station 》 NB/T 32005-2013		2024-06-21
		《Technical specification of grid-connected PV inverter》 NB/T 32004-2013	The electromagnetic compatibility project was launched in dongting	2024-06-21
		《Test code for power quality of photovoltaic power station》 NB/T 32006-2013		2024-06-21



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№.	Product	Standard	Note	Effective Date
		《Testing code for power control of photovoltaic power station》 NB/T 32007-2013		2024-06-21
		《Technical specification for China efficiency of grid connected PV inverters》CNC ACTS 0002-2014		2024-06-21
32	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A		2024-06-21
		《Basic acceptance requirements for grid-connected PV systems》 CNCA/CTS 0004-2010		2024-06-21
		《Grid connected photovoltaic systems—Minimum requirements for system documentation》 IEC 62446-2009		2024-06-21
33	《Technical requirements for connecting photovoltaic power system to distribution network》 GB/T 29319-2012	《Technical requirements for connecting photovoltaic power system to distribution network》 GB/T 29319-2012		2024-06-21
		《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013		2024-06-21
		《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013		2024-06-21
		《The anti-islanding testing code for inverter of utility-interconnected photovoltaic power station 》 NB/T 32010-2013		2024-06-21
		《Testing code for voltage and frequency response of photovoltaic		2024-06-21



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№.	Product	Standard	Note	Effective Date
		power station》NB/T 32013-2013		
		《Testing code for anti-islanding of photovoltaic power station》NB/T 32014-2013		2024-06-21
		《Technical requirements and test methods of grid-connected PV inverter dedicated》GB/T 30427-2013		2024-06-21
		《Testing code for connecting photovoltaic power system to distribution network》GB/T 30152-2013		2024-06-21
		《Technical requirements for connecting photovoltaic power station to power system》GB/T 19964-2012		2024-06-21
34	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》IEC 62109-1-2010	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》IEC 62109-1-2010		2024-06-21
35	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》IEC	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》IEC 61800-5-1-2007		2024-06-21



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№.	Product	Standard	Note	Effective Date
	61800-5-1-2007			
36	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010	《Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010		2024-06-21
		《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		2024-06-21
		《IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547-2003		2024-06-21
		《IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547.1-2005		2024-06-21
		《Test Procedure of islanding prevention measures for utility-interconnected photovoltaic inverters 》 IEC 62116-2014		2024-06-21
		《Automatic disconnection device between a generator and the public low-voltage grid》 VDE V 0126-1-1:2013-08		2024-06-21
37	《Safety of power converters for use in photovoltaic power systems –Part 2: Particular requirements	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011		2024-06-21
		《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005		2024-06-21

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№.	Product	Standard	Note	Effective Date
	for inverters》IEC 62109-2-2011	ilac-MRA CNAS CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT		
38	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010	《Overall efficiency of grid connected photovoltaic inverters》EN 50530-2010		2024-06-21
		《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		2024-06-21
		《Grid connection of energy systems via inverters—Part 3: Grid protection requirements》AS 4777.3-2005		2024-06-21
		《Power generation systems connected to the low-voltage distribution network—Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks》VDE-AR-N 4105: 2011		2024-06-21
		《Approval and test specification—General requirements for electrical equipment》AS/NZS 3100:2009+A1:2010+A2:2012		2024-06-21
		《Balance-of-system components for photovoltaic systems-Design qualification natural environments》IEC 62093:2005		2024-06-21
		《Technical requirements for grid connection of PV system》GB/T 19939-2005		2024-06-21



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№.	Product	Standard	Note	Effective Date
39	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015		2024-06-21
40	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013		2024-06-21
41	《Inverter of wind and solar energy supply power system for off-grid-Part 1: Technical specification》 GB/T 20321.1-2006	《Inverter of wind and solar energy supply power system for off-grid-Part 1: Technical specification》 GB/T 20321.1-2006		2024-06-21
		《Inverter of wind and solar energy supply power system for off-grid-Part 2: Testing method》 GB/T 20321.2-2006		2024-06-21
42	《Testing code for inverter efficiency of photovoltaic power	《Testing code for inverter efficiency of photovoltaic power station》 NB/T 32032-2016		2024-06-21



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№.	Product	Standard	Note	Effective Date
	station》NB/T 32032-2016			
43	《On-site testing procedure for PV module of PV power station》NB/T 32034-2016	《On-site testing procedure for PV module of PV power station》NB/T 32034-2016		2024-06-21
44	《Code for acceptance of photovoltaic power project》GB 50796-2012	《Code for acceptance of photovoltaic power project》GB 50796-2012		2024-06-21
45	《Code for construction of PV power station》GB 50794-2012	《Code for construction of PV power station》GB 50794-2012		2024-06-21
46	PV power station	《Technical specification for reactive power compensation of PV power station》GB/T 29321-2012		2024-06-21
47	PV grid-connected inverter	《Photovoltaic(PV)-Characteristics of the utility interface》IEC 61727:2004		2024-06-21
48	AC connector	《Technical Specification for AC Connectors Using in Photovoltaic Systems》CNCA/CTS 0046-2014		2024-06-21
49	PV power station	《Technical rule for connecting photovoltaic power station to power grid》Q/GDW 1617-2015	Accredited only for low voltage across and	2024-06-21

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№.	Product	Standard	Note	Effective Date
		ilac-MRA CNAS	high voltage across project	
50	Photovoltaic (PV) systems	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016		2024-06-21
51	electrochemical energy storage system	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017	The electromagnetic compatibility project was launched in dongting	2024-06-21
52	electrochemical energy storage system	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017	The electromagnetic compatibility project was launched in dongting	2024-06-21
53	PV power station	《Technical requirements for grid connection of distributed resources》 GB/T 33593-2017		2024-06-21
54	Photovoltaic grid-connected inverter	《Technical specification of PV grid-connected inverter》 NB/T 32004-2018	The electromagnetic compatibility project was launched in dongting	2024-06-21
55	Grid connected PV systems	《Basic acceptance requirements for grid-connected PV systems》 CNCA/CTS 0004-2010		2024-06-21



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№.	Product	Standard	Note	Effective Date
56	Grid connected PV systems	《Targeted poverty alleviation-Technical guide of village photovoltaic power station》GB/T 36115-2018		2024-06-21
57	Grid connected PV systems	《Targeted poverty alleviation-Management and evaluation guide of village photovoltaic power station》GB/T 36119-2018		2024-06-21
58	Grid connected PV systems	《Residential grid-connected photovoltaic(PV) system-Part 4: Code for acceptance》T/CPIA 0011.4-2019		2024-06-21
59	Combiner box for photovoltaic power station	《Technical requirement of combiner box for photovoltaic power station》GB/T 34936-2017	The electromagnetic compatibility project was launched in dongting	2024-06-21
60	Technical code for combiner box test of photovoltaic power station	《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



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