

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: 2023-06-19 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		2022-06-28
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		2022-06-28
		《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 GB/T 20047.1-2006		2022-06-28



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No.	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		2022-06-28
		《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005		2022-06-28
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		2022-06-28
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		2022-06-28
		《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008		2022-06-28
6	《Flat-Plate Photovoltaic	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002		2022-06-28



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№.	Product	Standard	Note	Effective Date
	Modules and Panels》 UL 1703-2002	ilac-MRA CNAS		
7	《Technical Requirements of PV Combiner Assemblies》 CNCA/CTS 0001-2011A	《Technical Requirements of PV Combiner Assemblies》 CNCA/CTS 0001-2011A	CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT SCHEDULE OF ACCREDITATION CERTIFICATE	2022-06-28
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		2022-06-28
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		2022-06-28
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		2022-06-28



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No.	Product	Standard	Note	Effective Date
	1:Technical conditions》 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		2022-06-28
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		2022-06-28
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		2022-06-28
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		2022-06-28



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No.	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		2022-06-28
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 and flame retardant grade were tested in Dongting.	2022-06-28
17	《Flat glass》 GB 11614-2009	《Flat glass》 GB 11614-2009		2022-06-28
18	《Insulating glass unit》 GB/T 11944-2012	《Insulating glass unit》 GB/T 11944-2012		2022-06-28
19	《Patterned glass》 JC/T 511-2002	《Patterned glass》 JC/T 511-2002		2022-06-28
20	《Safety glazing materials in building—	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009	Falling ball impact is performed in Zhangjiagang Lab	2022-06-28



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No.	Product	Standard	Note	Effective Date
	Part 3: Laminated glass》 GB 15763.3-2009			
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		2022-06-28
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		2022-06-28
23	《Sealed insulating solar PV glass unit in building》 GB/T 29759- 2013	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013		2022-06-28
24	《Laminated solar PV glazing materials in building》 GB 29551- 2013	《Laminated solar PV glazing materials in building》 GB/T 29551-2013	Falling ball impact is performed in Zhangjiagang Lab	2022-06-28
25	《Requirements for concentration limits for	《Requirements of concentration limits for certain restricted substances in electrical and electronic products》 GB/T 26572-2011		2022-06-28



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No.	Product	Standard	Note	Effective Date
	certain hazardous substances in electronic information products》 SJ/T 11363-2006			
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		2022-06-28
27	Metal materials and products	《Non-destructive testing of welds.Ultrasonic testing.Acceptance levels》 GB/T 29712-2013		2022-06-28
		《Non-destructive testing of welds.Magnetic particle testing of welds.Acceptance levels》 GB/T 26952-2011		2022-06-28
		《Non-destructive testing of welds.Penetrant testing of welds.Acceptance levels》 GB/T 26953-2011		2022-06-28
28	Light weight thermally strengthened glass	《Light weight thermally strengthened glass》 GB/T 34328-2017	Except for Flexural Strength	2022-06-28
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		2022-06-28
30	《Testing code for	《Testing code for Inveter Electromagnetic Compatibility		2022-06-28



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No.	Product	Standard	Note	Effective Date
	Inveter Electromagnetic Compatibility of Photovoltaic Power Station》NB/T 32033-2016	of Photovoltaic Power Station》NB/T 32033-2016		
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		2022-06-28
		《Technical specification of grid-connected PV inverter》NB/T 32004-2013		2022-06-28
		《Test code for power quality of photovoltaic power station》NB/T 32006-2013		2022-06-28
		《Testing code for power control of photovoltaic power station》NB/T 32007-2013		2022-06-28
		《Technical specification for China efficiency of grid connected PV inverters》CNC ACTS 0002-2014		2022-06-28
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		2022-06-28
		《Basic acceptance requirements for grid-connected PV systems》CNCA/CTS 0004-2010		2022-06-28
		《Grid connected photovoltaic systems—Minimum requirements for		2022-06-28



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No.	Product	Standard	Note	Effective Date
		system documentation》 IEC 62446-2009		
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		2022-06-28
		《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013		2022-06-28
		《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013		2022-06-28
		《The anti-islanding testing code for inverter of utility-interconnected photovoltaic power station 》 NB/T 32010-2013		2022-06-28
		《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013		2022-06-28
		《Testing code for anti-islanding of photovoltaic power station》 NB/T 32014-2013		2022-06-28
		《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013		2022-06-28
		《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013		2022-06-28
		《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2012		2022-06-28



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No.	Product	Standard	Note	Effective Date
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		2022-06-28
35	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007		2022-06-28
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		2022-06-28
		《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		2022-06-28
		《IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547-2003		2022-06-28
		《IEEE Standard Conformance Test Procedures for Equipment		2022-06-28



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No.	Product	Standard	Note	Effective Date
		Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547.1-2005		
		《Test Procedure of islanding prevention measures for utility- interconnected photovoltaic inverters 》 IEC 62116-2014		2022-06-28
		《Automatic disconnection device between a generator and the public low-voltage grid》 VDE V 0126-1-1:2013-08		2022-06-28
37	《Safety of power converters for use in photovoltaic power systems –Part 2: Particular requirements for inverters》 IEC 62109-2-2011	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011		2022-06-28
		《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005		2022-06-28
38	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010		2022-06-28
		《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		2022-06-28
		《Grid connection of energy systems via inverters—Part 3: Grid protection requirements》 AS 4777.3-2005		2022-06-28



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No.	Product	Standard	Note	Effective Date
		《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		2022-06-28
		《Approval and test specification—General requirements for electrical equipment》 AS/NZS 3100:2009+A1:2010+A2:2012		2022-06-28
		《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005		2022-06-28
		《Technical requirements for grid connection of PV system》 GB/T 19939-2005		2022-06-28
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		2022-06-28
40	《Technical Specification of Energy storage converter used for PV generation system》	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013		2022-06-28



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No.	Product	Standard	Note	Effective Date
	CNCA/CTS 0022-2013			
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		2022-06-28
		《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》GB/T 20321.2-2006		2022-06-28
42	《Testing code for inverter efficiency of photovoltaic power station》NB/T 32032-2016	《Testing code for inverter efficiency of photovoltaic power station》NB/T 32032-2016		2022-06-28
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		2022-06-28
44	《Code for acceptance of photovoltaic power project》GB 50796-2012	《Code for acceptance of photovoltaic power project》GB 50796-2012		2022-06-28
45	《Code for construction of	《Code for construction of PV power station》GB 50794-2012		2022-06-28



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№.	Product	Standard	Note	Effective Date
	PV power station》GB 50794-2012			
46	PV power station	《Technical specification for reactive power compensation of PV power station》GB/T 29321-2012		2022-06-28
47	PV grid-connected inverter	《Photovoltaic(PV)-Characteristics of the utility interface》IEC 61727:2004		2022-06-28
48	AC connector	《Technical Specification for AC Connectors Using in Photovoltaic Systems》CNCA/CTS 0046-2014		2022-06-28
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 high voltage across project	2022-06-28
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		2022-06-28
51	electrochemical energy storage system	《Testing code for power converter of electrochemical energy storage system》GB/T 34133-2017	Except for EMC	2022-06-28
52	electrochemical energy storage system	《Technical specification for power conversion system of electrochemical energy storage system》GB/T 34120-2017	Except for EMC	2022-06-28
53	PV power station	《Technical requirements for grid connection of distributed resources》		2022-06-28

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№.	Product	Standard	Note	Effective Date
		GB/T 33593-2017		
54	Photovoltaic grid-connected inverter	《Technical specification of PV grid-connected inverter》 NB/T 32004-2018	The electromagnetic compatibility project was launched in dongting	2022-06-28
55	Grid connected PV systems	《Basic acceptance requirements for grid-connected PV systems》 CNCA/CTS 0004-2010		2022-06-28
56	Grid connected PV systems	《Targeted poverty alleviation-Technical guide of village photovoltaic power station》 GB/T 36115-2018		2022-06-28
57	Grid connected PV systems	《Targeted poverty alleviation-Management and evaluation guide of village photovoltaic power station》 GB/T 36119-2018		2022-06-28
58	Grid connected PV systems	《Residential grid-connected photovoltaic(PV) system-Part 4: Code for acceptance》 T/CPIA 0011.4-2019		2022-06-28
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	2022-06-28
60	Technical code for combiner box test of photovoltaic power	《Technical code for combiner box test of photovoltaic power station》 GB/T 34933-2017	The electromagnetic compatibility project was launched in	2022-06-28



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No.	Product	Standard	Note	Effective Date
	station		dongting	



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