

Deutsche Akkreditierungsstelle GmbH
German Accreditation Body

Annex to the Accreditation Certificate D-PL-11097-02-01
according to DIN EN ISO/IEC 17025:2005

Period of validity: 2010-12-23 to 2015-12-22

Holder of certificate:

TÜV Rheinland (Shanghai) Co.,Ltd
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P.R. CHINA

Tests in the fields:

Photovoltaic and Solar Thermal Systems

Fachbereich / Test area	Norm / Standard	Titel der Norm oder Verfahren / Title of standard or procedure	Prüfbereich /Einschränkung Test area restriction
Photovoltaik <i>Photovoltaic</i>	IEC 60904-1	Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics	
	IEC 60904-2	Photovoltaic devices - Part 2: Requirements for reference solar cells	
	IEC 60904-3	Photovoltaic devices - Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data	
	IEC 60904-6	Photovoltaic devices - Part 6: Requirements for reference solar modules	

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Photovoltaik <i>Photovoltaic</i>	IEC 60904-7	Photovoltaic devices - Part 7: Computation of spectral mismatch error introduced in the testing of a photovoltaic device	
	IEC 60904-9	Photovoltaic devices - Part 9: Solar simulator performance requirements	
	IEC 60904-10	Photovoltaic devices - Part 10: Methods of linearity measurement	
	IEC 61215	Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval	
	IEC 61646	Thin-film terrestrial photovoltaic (PV) modules - Design qualification and type approval	
	IEC 60891	Procedures for Temperature and Irradiance Corrections to Measured IV Characteristics of Crystalline Silicon Photovoltaic Devices	
	IEC 61730-1	Photovoltaic module safety qualification – Part 1: Requirements for construction	
	IEC 61730-2	Photovoltaic module safety qualification – Part 2: Requirements for testing	
	UL 1703	Flat-Plate Photovoltaic Modules and Panels	
	IEC 60904-5	Photovoltaic devices - Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method	
	IEC 60664-1	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	
	IEC 60068-2-1	Environmental testing - Part 2-1: Tests. Tests A: Cold	
	IEC 60068-2-2	Environmental testing - Part 2-2: Tests. Tests B: Dry heat	
	IEC 60068 2-78	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	
	IEC 60068-2-30	Environmental testing - Part 2-30: Tests. Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle)	

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Solar Thermie Solar Thermal Systems	EN 12975-1	Thermal solar systems and components. Solar collectors. General requirements	
	EN 12975-2	Thermal solar systems and components. Solar collectors. Test methods	
	EN 12976-1	Thermal solar systems and components. Factory made systems. General requirements	
	EN 12976-2	Thermal solar systems and components. Factory made systems. Test methods	
	EN TS 12977-1	Thermal solar systems and components. Custom built systems. General requirements	
	EN TS 12977-2	Thermal solar systems and components. Custom built systems. Test methods	
	ISO 9459-2	Solar heating -- Domestic water heating systems -- Part 2: Outdoor test methods for system performance characterization and yearly performance prediction of solar- only systems	
	ISO 9459-5	Solar heating -- Domestic water heating systems -- Part 5: System performance characterization by means of whole- system tests and computer simulation	
	ISO 9806-1	Test methods for solar collectors -- Part 1: Thermal performance of glazed liquid heating collectors including pressure drop	
	ISO 9806-2	Test methods for solar collectors -- Part 2: Qualification test procedures	

Technical responsibility for the test reports:

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