


NO: SAMM 1114

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LABORATORY LOCATION/ CENTRAL OFFICE:	Module R&D-Malaysia Laboratory, Risen Solar Technology Sdn. Bhd. No. 3, Jalan Hi-Tech 14 Kulim HiTech Fasa 4 Kulim, Kedah , 09000, KEDAH MALAYSIA
	
ACCREDITED SINCE :	07 APRIL 2025
FIELD(S) OF TESTING:	MECHANICAL ELECTRICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Module R&D-Malaysia Laboratory, Risen Solar Technology Sdn. Bhd. No. 3, Jalan Hi-Tech 14 Kulim HiTech Fasa 4 Kulim, Kedah , 09000, Kedah
FIELD(S) OF TESTING :	MECHANICAL, ELECTRICAL

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Pv Module	Visual Inspection	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.1 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.2

Schedule

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Thermal Cycling Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.11 Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing IEC 61730-2:2016 clause 10.28
	Hail Test (25mm)	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.17
	Humidity Freeze Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.12 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.29
	Damp Heat Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.13 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.30
	Mechanical Loading Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.16 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.23

SCOPE OF TESTING : ELECTRICAL

Schedule

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Pv Module	Maximum Power Determination	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.2 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.4
	Insulation Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.3 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.13
	Wet Leakage current Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.15 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.14
	UV preconditioning Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.10 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.31
	Hot-Spot endurance test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.9.5.2 Photovoltaic (PV) module safety qualification –Part 2: Requirements for testing IEC 61730-2:2016 clause 10.16
	Performance at low irradiance Test	Terrestrial photovoltaic (PV) modules – Design qualification and type approval IEC 61215-2:2016 clause 4.7

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