

# Schedule

Solar Energy Research Institute of Singapore (SERIS)  
No. 1 Cleantech Loop  
#06-01 Cleantech One  
Singapore 637141.

Certificate No. : LA-2012-0526-E

Issue No. : 7

Date : 30 Oct 2018

Page : 1 of 2

FIELD OF TESTING: Electrical Testing

PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS/ TECHNIQUES
<b>1. PV Modules</b>	a. Terrestrial photovoltaic (PV) modules – Design qualification and type approval – testing of crystalline silicon photovoltaic (PV) modules	IEC 61215-1 Edition 1.0 (2016-03) - Part 1 - Test requirements  IEC 61215-2 Edition 1.0 (2016-03) – Part 2: Test procedures - For Tests MQT 01 to MQT 19  Test procedure SOP-PVMT-043 Rev.0 dated 20 Dec 2017 (based on MQT 05) Measurement of Nominal Module Operating Temperature (NMOT) using test rack tilt angle of 5 to 10 Degree (for tropical testing).  IEC 61215-1-1 Edition 1.0 (2016-03)
	b. Terrestrial photovoltaic (PV) modules - Design qualification and type approval - testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	IEC 61215-1 Edition 1.0 (2016-03) - Part 1 - Test requirements  IEC 61215-2 Edition 1.0 (2016-03) – Part 2: Test procedures - For Tests MQT 01 to MQT 19  Test procedure SOP-PVMT-043 Rev.0 dated 20 Dec 2017 (based on MQT 05) Measurement of Nominal Module Operating Temperature (NMOT) using test rack tilt angle of 5 to 10 Degree (for tropical testing).

# Schedule



Certificate No. : LA-2012-0526-E

Issue No. : 7

Date : 30 Oct 2018

Page : 2 of 2

PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS/ TECHNIQUES
1. <b>PV Modules</b> (Continue)	c. Photovoltaic (PV) module safety qualification	IEC 61730-1 Edition 2.0 (2016-08) - Part 1 - Requirements for construction  IEC61730-2 Edition 2.0 (2016-08) – Part 2: Requirements for testing - For Tests MST 01, MST 02, MST 03, MST 04, MST 05, MST 06, MST 07, MST 11, MST 12, MST 13, MST 14, MST 16, MST 17, MST 21 (Indoor method), MST 22, MST 25, MST 26, MST 32, MST 33, MST 34, MST 37, MST 42, MST 51, MST 52, MST 53, MST 54, MST 55, MST 56.
	d. Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics	IEC 60904-1, Edition 2.0 (Exclude clause 4.1, 5 & 6)
	e. Photovoltaic devices - Part 8: Measurement of spectral response of a photovoltaic (PV) device	IEC 60904-8, Edition 2.0 (Exclude clause 3) For pulse solar spectral response measurements only.

## Approved Signatories

- 1) Mr Kenneth Goh )
- 2) Mr Henry Lim ) For all tests
- 3) Mr Steven Lim Chern Mo )

## Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment 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 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.