

Laboratory **Solar Mobile PV Test Lab, Mahindra Susten Pvt. Ltd., Floor AFL House, Lok Bharati Complex, Marol Maroshi Road, Mumbai, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7380**

Page 1 of 1

Validity **09.06.2018 to 08.06.2020**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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ELECTRONICS TESTING

MOBILE FACILITY				
I. PHOTOVOLTAIC EQUIPMENT				
1.	Solar PV Module	Measurement of Photovoltaic current and voltage characteristics	IS12762 IEC 60904-1	3 W to 800 W 200 w/m ² to 1200 w/m ²
2.	Crystalline Terrestrial PV Module	Visual Inspection	IS14286 IEC 61215, Clause 4.1/ MQT 01	Qualitative
		Maximum Power Determination	IS14286/IEC 61215, Clause 4.2/ MQT 02	3 W to 800 W, 200 w/m ² to 1200 w/m ²
		Measurement to temp coefficient	IS14286 IEC 61215, Clause 4.4/ MQT 04	3 W to 800 W, 200 w/m ² to 1200 w/m ² , 20°C to 65°C
		Measurement at NMOT	IS 14286/IEC 61215, Clause 4.5/ MQT 05	200 w/m ² to 1200 w/m ²
		Performance at STC and NMOT	IS14286 IEC 61215, Clause 4.6/ MQT 06	200 w/m ² to 1200 w/m ²
		Performance Measurement at Low Irradiation	IS14286 IEC 61215, Clause 4.7/ MQT 07	200 w/m ² to 1200 w/m ²
3.	Thin Film PV Module	Visual Inspection	IS12762 IEC 61646, Clause 10.1	Qualitative
4.	Thin Film PV Module (CdTe, CIS, a-Si)	Maximum Power Determination	IS12762 IEC 61646, Clause 10.2	3 W to 800 W, 200 w/m ² to 1200 w/m ²

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