



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SMSW LAB & RESEARCH CENTRE LLP, PLOT NO 90, SECTOR 5 , IMT MANESAR, GURGAON, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-7566 Page No. : 1 / 18

Validity 25/02/2019 to 11/07/2020 Last Amended on 15/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
1	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Hot Spot Endurance test	IEC 61215-2 (Clause No. 4.9): 2016	0 V to 250 V/25 A and 600 W Tilt angle 25° to 30°
2	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Bypass diode test	IS 14286(Clause No. 10.18): 2010	30 °C to 90 °C
3	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Damp heat test(2.5 * 2M * 2M)	IEC 61215-2(Clause No. 4.13): 2016	30°C to 90°C , 45% RH to 95% RH
4	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Damp heat test(2.5 * 2M * 2M)	IS 14286 (Clause No. 10.13): 2010	30°C to 90°C 45% RH to 95%RH



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5	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Hail Test	IEC 61215-2 (Clause No. 4.17): 2016	Ice ball: 25mm Velocity: 23m/s Mass: 7.53g
6	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Hail Test	IS 14286 (Clause No. 10.17): 2010	Ice ball: 25mm Velocity: 23m/s Mass: 7.53g
7	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Humidity Freeze Test(2.5 * 2M * 2M)	IEC 61215-2(Claue No. 4.12): 2016	-50°C to 90°C 45% RH to 95%RH
8	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Humidity Freeze Test(2.5 * 2M * 2M)	IS 14286(Claue No. 10.12): 2010	-50°C to 90°C 45% RH to 95%RH



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9	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Maximum power determination/voltage, current and power measurement Test	IS 14286 (Clause No.10.2): 2010	25 0C to 90 0C , 250 V, 25 A and 600 W
10	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Mechanical Load Test	UL -1703 (3rd Edition ) Clause 41: 2002	Upto 8000 Pa
11	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Mechanical Load Test	IS 14286 (Clause No. 10.16): 2010	Upto 8000Pa
12	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Outdoor Exposer test	IS 14286 (Clause No. 10.8): 2010	1 kWh/m2 to 60 kWh/m2 Tilt angle 25° to 30°



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13	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Performance at low irradiance	IEC 61215 (Clause No. 10.7): 2005	0 V to 250 V 25 A and 600 W
14	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Performance at low irradiance	IEC 61215-2 (Clause No. 4.7): 2016	0V to 250 V25A and 600W
15	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Photovoltaic devices - part 1 Measurement of photovoltaic current - Voltage characteristics	IEC 60904-1: 2006	0 V to 250 V 25 A and 600 W
16	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Potential Induced degradation --- Ground continuity	IEC 61730-2 MST-13 2016 / IEC TS 62804-1 : 2015	Upto 40 Amp



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17	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Potential Induced degradation ---- Max.Power determination	IEC 61215-2 (Clause No. 4.2) 2016/ IEC TS 62804-1: 2015	0 V to 250 V 25 A and 600 W
18	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Potential Induced degradation--- Wet Leakage current test	IEC 61215-2(Clause No. 4.15) 2016/ IEC TS 62804-1: 2015	1 Vdc to 1500Vdc1 Ohms to 50 G Ohms
19	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Potential Induced Degradation- Performance at low irradiance	IEC 61215-2 (Clause No. 4.7)/ IEC TS 62804-1: 2015	0 V to 250V25A and 600 W
20	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Robustness of termination test	IS 14286 (Clause No. 10.14): 2010	2 N to 100 N



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21	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Robustness of termination test	IEC 61215 (Clause No. 10.14): 2005	2 N to 100 N
22	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Stabilization	IEC 61215-2 ( Clause 4.19 ): 2016	Up to 5.5 kWh/m <sup>2</sup>
23	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Static and Mechanical Load test	IEC 61215-2(Clause No. 4.16: 2016	Upto 8000Pa
24	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Thermal cycling test (2.5 * 2M * 2M)	UL -1703 (3rd Edition ) Clause 35: 2002	30 °C to 90 °C





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25	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Visual Inspection	IS 14286 (Clause No: 10.1): 2010	Qualitative(Up to 1500 Lux)
26	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Wet leakage Current test	IEC 61215-2 (Clause No. 4.15): 2016	1 Vdc to 1500 Vdc 1 Ohms to 50 G. Ohms
27	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Wet leakage Current test	UL -1703 (3rd Edition ) Clause 27: 2002	1 Vdc to 1500 Vdc 1 Ohms to 50 G. Ohms
28	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Wet leakage Current test	IS 14286 (Clause No. 10.15): 2010	1 Vdc to 1500 Vdc, 1 Ohm to 50 G. Ohm



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29	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Damp heat test(2.5 * 2M * 2M)	IEC 61215 (Clause No. 10.13): 2005	30°C to 90°C , 45% RH to 95% RH
30	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Bypass diode test	IEC 61215-2 (Clause No. 4.18): 2016	30 °C to 90 °C
31	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Bypass diode test	IEC 61215 (Clause No. 10.18): 2005	30 °C to 90 °C
32	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Electroluminescence	IEC TS 60904-13: 2018	Qualitative(Upto 2M & 1.6 M Module Size)





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33	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W	Hail Test	IEC 61215 (Clause No. 10.17): 2005	Ice ball: 25mm Velocity: 23m/s Mass: 7.53g
34	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W	Thermal cycling test (2.5 * 2M * 2M)	IEC 61215 (Clause No. 10.11): 2005	30°C to 90°C
35	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W	Thermal cycling test (2.5 * 2M * 2M)	IEC 61215-2(Claue No. 4.11): 2016	30°C to 90°C
36	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W	Thermal cycling test (2.5 * 2M * 2M)	IS 14286 (Clause No. 10.11): 2010	30°C to 90°C



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37	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Dielectric Strength	UL-1703 (3rd Edition) (Clause:26): 2002	0.1 kV to 3 kV
38	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Hot Spot Endurance test	IS 14286 (Clause No. 10.9): 2010	0 V to 250 V 25 A and 600 W Tilt angle 25° to 30°
39	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Hot Spot Endurance test	IEC 61215 (Clause No. 10.9): 2005	0 V to 250 V 25 A and 600 W Tilt angle 25° to 30°
40	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Humidity Freeze Test(2.5 * 2M * 2M)	UL -1703 (3rd Edition ) Clause 36: 2002	-50 to 90 °C45%Rh to 95%Rh



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41	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Humidity Freeze Test(2.5 * 2M * 2M)	IEC 61215 (Clause No. 10.12): 2005	-50°C to 90°C45 %RH to 95%RH
42	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Insulation Test	IS 14286 (Clause No.10.3): 2010	1 Vdc to 4500 Vdc50.00 G Ohm
43	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Insulation Test	IEC 61215 ( Clause No 10.3): 2005	1 Vdc to 4500 Vdc1 Ohms to 50.00 G. Ohms
44	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Insulation Test	IEC 61215 -2 ( Clause No.4.3): 2016	1 to 4500 Vdc.1 Ohmto 50.00 G.Ohm



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45	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Leakage Current Test	UL-1703 (3rd Edition) (Clause:21): 2002	0 MA to 10 MA
46	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Maximum power determination/voltage, current and power measurement Test	UL-1703 (3rd Edition) (Clause 20): 2002	0 V to 250 V, 25 A and 600W
47	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Maximum power determination/voltage, current and power measurement Test	IEC 61215-2 (Clause No.4.2): 2016	0V to 250V 25 A to 600W
48	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Maximum power determination/voltage, current and power measurement Test	IEC 61215 (Clause No.10.2): 2005	0 V to 250 V 25 A and 600 W



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49	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Measurement of nominal module operating temperature (NMOT)	IEC 61215-2 (Clause No. 4.5): 2016	32°C to 42°C 250V, 25 A and 600W
50	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Measurement of nominal operating cell temperature (NOCT)	IEC 61215 (Clause No. 10.5): 2005	40°C to 50°C 250V, 25A and 600W
51	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Measurement of nominal operating cell temperature (NOCT)	IS 14286 (Clause No. 10.5): 2005	40°C to 50°C 250V, 25A and 600W
52	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Measurement of temperature coefficient (2.5 M * 2M * 2M)	IEC 61215-2 (Clause No. 4.4): 2016	25 0C to 90 0C , 250 V, 25 A and 600 W



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53	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Measurement of temperature coefficient (2.5 M * 2M * 2M)	IS 14286(Clause No. 10.4): 2010	25°C to 90°C 250V, 25 A and 600W
54	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Measurement of temperature coefficient (2.5 M * 2M * 2M)	IEC 61215 (Clause No. 10.4): 2005	25 0C to 90 0C , 250 V, 25 A and 600 W
55	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Mechanical Load Test	IEC 61215 (Clause No. 10.16): 2005	Upto 8000 Pa
56	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Outdoor Exposer test	IEC 61215 (Clause No. 10.8): 2005	1 kWh/m2 to 60 kWh/m2 Tilt angle 25° to 30°





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57	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Outdoor Exposer test	IEC 61215-2(Clause No. 4.8): 2016	1 kWh/m2 to 60 kWh/m2 Tilt angle 25° to 30°
58	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Performance at low irradiance	IS 14286 (Clause No. 10.7): 2010	0 V to 250 V25A and 600 W
59	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Performance at STC and NMOT (2.5M*2M*2M)	IEC 61215-2 (Clause No. 4.6): 2016	0V to 250V25A and 600 W
60	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Performance at STC and NOCT(2.5M*2M*2M)	IS 14286 (Clause No. 10.6): 2010	0V to 250V25A and 600 W



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61	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Performance at STC and NOCT(2.5M*2M*2M)	IEC 61215 (Clause No. 10.6): 2005	0 V to 250V25A and 600 W
62	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Potential Induced degradation	IEC TS 62804: 2015	Up to 85 °C and 85% Rh
63	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Potential Induced degradation ---- Stabilization	IEC 61215-2(Claue No. 4.19) 2016/ IEC TS 62804: 2015	250 V, 25 A and 600 W
64	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Potential Induced degradation --- Visual inspection	IEC 61215-2 (Clause No. 4.1) 2016/ IEC TS 62804: 2015	Qualitative(Upto 2000 Lux)



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SMSW LAB & RESEARCH CENTRE LLP, PLOT NO 90, SECTOR 5 , IMT MANESAR, GURGAON, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-7566 Page No. : 17 / 18

Validity 25/02/2019 to 11/07/2020 Last Amended on 15/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
65	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Robustness of termination test	IEC 61215-2 (Clause No. 4.14): 2016	2 N to 100 N
66	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	UV preconditioning	IEC 61215 (Clause No. 10.10): 2005	Irradiance :- 250 W/m <sup>2</sup> Max. Wave Length :- 280~400 nm UVA-15 kWh/m <sup>2</sup> UVB-3 % to 10 % of UVA Uniformity :- ±15% Max
67	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	UV preconditioning	IEC 61215-2 (Clause No. 4.10): 2016	Irradiance :- 250 W/m <sup>2</sup> Max. Wave Length :- 280~400 nm UVA-15 kWh/m <sup>2</sup> UVB-3 % to 10 % of UVA Uniformity :- ±15% Max
68	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	UV preconditioning	IS 14286 (Clause No. 10.10): 2010	Irradiance :- 250 W/m <sup>2</sup> Max. Wave Length :- 280~400 nm UVA-15 kWh/m <sup>2</sup> UVB-3 % to 10 % of UVA Uniformity :- ±15% Max



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
69	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Visual Inspection	IEC 61215-2(Clause No 4.1): 2016	Qualitative(Up to 1500 Lux)
70	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Visual Inspection	IEC 61215 (Clause No: 10.1): 2005	Qualitative(Up to 1500 Lux)
71	ELECTRONICS- MISCELLANEOUS PRODUCTS	Photovoltaic Crystalline silicon terrestrial photovoltaic (PV) modules Design qualification and type approval (Max power 600 W)	Wet leakage Current test	IEC 61215 (Clause No. 10.15): 2005	1 Vdc to 1500 Vdc 1 Ohms to 50 G.Ohms