



TS IEC 62804-1:2015

Photovoltaic (PV) Modules - Test Methods for the detection of potential-induced degradation
Part 1: Crystalline silicone
Confirmation of test results

Ref.: TRPVM-ET-20190521-077

Applicant: Sharp Corporation
282-1, Hajikami, Katsuragi-shi 639-2198 NARA (NARA-KEN),
Japan

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Type:

A)	ND-AF330C;	B)	ND-AF330E;
C)	NU-AF365E;	D)	NU-AF370E;
E)	NU-AF345H;	F)	NU-395KG;
G)	NU-JB395;	H)	NU-AF380C;
I)	NU-325KC;	J)	NU-330KC;
K)	NU-JC320B;	L)	NU-JC330;

Manufacturer: JINZHOU YANGGUANG ENERGY CO., LTD.

Standard: TS IEC 62804-1:2015

Test conditions

Testing time:	96 h
Chamber temperature:	60°C
Relative Humidity:	85 %
Potential to ground:	- 1500 V

Pass criteria

Power degradation:	< 5%
Dry Insulation:	> 40 MΩm ²
Wet insulation:	> 40 MΩm ²
Ground continuity:	< 0.1Ω



Summary of test results:

Maximum power degradation:	allowed measured	max. 5 % max. 0.8 %
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The measured degradation is below the allowed degradation.

Dry insulation resistance:	required measured	20.6 MΩ >500 MΩ
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Wet insulation resistance:	required measured	20.6 MΩ >500 MΩ
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The measured wet insulation resistance is above the limit.

Ground continuity test:	required measured	max. 0.1Ω max. 0.005Ω
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Visual inspection:	No findings
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The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-ET-20190920-165-1, TRPVM-ET-20190920-165-2 and TRPVM-ET-20190920-165-3, TRPVM-ET-20190920-165-4, TRPVM-ET-20190920-165-5.

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2019-12-10