



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;
M) NU-JD440;	N) NU-JC370;	O) NU-JC365;
P) NU-JC360B;	Q) NU-JC355B;	R) NU-JC340;
S) NU-JC335B;	T) NU-JC330B;	

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	max. 5 %
	measured	max. 0.8 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	20.6 M Ω
	measured	>500 M Ω

Wet insulation resistance:	required	20.6 M Ω
	measured	>500 M Ω

The measured wet insulation resistance is above the limit.

Ground continuity test:	required	max. 0.1 Ω
	measured	max. 0.005 Ω

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.

VDE Renewables GmbH


Ariel Ma


Dean Wen

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