



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-20200920-165-1, -2, -3, -4, -5

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

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Type:

A) ND-AF330C;
D) NU-AF370E;
G) NU-JB395;
J) NU-330KC;
M) NU-JD440;
P) NU-JC360B;
S) NU-JC335B;
V) NU-375SG;
W) NU-JC370B

B) ND-AF330E;
E) NU-AF345H;
H) NU-AF380C;
K) NU-JC320B;
N) NU-JC370;
Q) NU-JC355B;
T) NU-JC330B;
W) NU-JC375;

C) NU-AF365E;
F) NU-395KG;
I) NU-325KC;
L) NU-JC330;
O) NU-JC365;
R) NU-JC340;
U) NU-375KG;
V) NU-JC365B;

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 MΩm²
Wet insulation: > 40 MΩm²
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 MΩ
	measured	>500 MΩ

Wet insulation resistance:	required	20.6 MΩ
	measured	>500 MΩ

The measured wet insulation resistance is above the limit.

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

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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