

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

File Ref.: 10004/2018-40021

Applicant: Changzhou EGing Photovoltaic Technology Co., Ltd.

No. 18 Jinwu Road, 213213 Jintan City, China

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: A) EG-XXXM60-C

B) EG-XXXP60-C

XXX in the type replaces the power in watt and can be any number between:

200 – 320 for A) 200 – 290 for B)

Manufacturer: Changzhou EGing Photovoltaic Technology Co., Ltd.

Standard: TS IEC 62804-1:2015

Test conditions

Testing time: 192 h

Chamber temperature: 85°C

Relative Humidity: 85 %

Potential to ground: - 1000 V

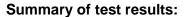
Pass criteria

Power degradation: < 5%

Dry Insulation: $> 40 \text{ M}\Omega\text{m}^2$

Wet insulation: $> 40 \text{ M}\Omega\text{m}^2$





Maximum power degradation: allowed max. 5 %

measured max. 2.43 %

The measured degradation is below the allowed degradation.

Dry insulation resistance: required min. 24,5 M Ω

measured $>500 M\Omega$

The measured dry insulation resistance is above the limit.

Wet insulation resistance: required min. 24,5 M Ω

measured $>500 M\Omega$

The measured wet insulation resistance is above the limit.

Visual inspection: No findings

The relevant bill of materials is given in TRPVM-2018-40021-2.

The complete test results are given in Test Report No.: TRPVM-2018-40021-2.

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File Ref.: 10004/2018-40021 Page 2 of 2