

IEC TS 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.: 10004/2022-40030

Applicant: Changzhou EGing Photovoltaic Technology Co., Ltd.

No. 18 Jinwu Road, 213213 Jintan City, China

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: CA) EG-XXXNT66-HU/BF-DG

CB) EG-XXXNT60-HU/BF-DG

XXX in the type replaces the power in watt and can be

any number between:

660 - 695 for CA), 600 - 630 for CB)

Manufacturer: Changzhou EGing Photovoltaic Technology Co., Ltd.

Standard: IEC TS 62804-1:2015

Test conditions

Testing time: 96 h

Chamber temperature: 85°C

Relative humidity: 85 %

Potential to ground: +/- 1500 V

Pass criteria

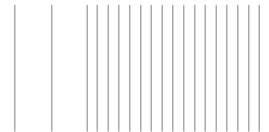
Power Degradation: < 5%

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

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

Visual Inspection: No findings





Summary of test results:

Maximum Power Degradation: allowed max. 5 %

measured max. 1.20 %

The measured degradation is below the allowed degradation.

Dry Insulation Resistance: required min. 12.86 M Ω

measured $>1000 M\Omega$

The measured dry insulation resistance is above the min. required dry insulation resistance.

Wet Insulation Resistance: required min. 12.86 M Ω

measured $>1000 M\Omega$

The measured wet insulation resistance is above the minimum required wet insulation resistance.

Visual Inspection: No findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2022-40030-2.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2022-04-01.

VDE Renewables GmbH

Dean Wen Arnd Roth

63755 Alzenau, 2022-04-01

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