



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.: 10004/2023-40217

Applicant: Changzhou EGing Photovoltaic Technology Co., Ltd.
No. 18 Jinwu Road, 213213 Jintan City, China

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: CK) EG-XXXNT78-HL/BF-DG CC) EG-XXXNT72-HL/BF-DG
CD) EG-XXXNT60-HL/BF-DG CE) EG-XXXNT54-HL/BF-DG

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

615 - 645 for CK) 550 - 595 for CC)
460 - 495 for CD) 415 - 445 for CE)

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 MΩm²
Wet Insulation Resistance: > 40 MΩm²
Visual Inspection: No findings



Summary of test results:

Maximum Power Degradation: allowed max. 5 %
measured max. 0.35 %

The measured degradation is below the maximum allowed degradation.

Dry Insulation Resistance: required min. 14.3 M Ω
measured >1000 M Ω

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

Wet Insulation Resistance: required min. 14.3 M Ω
measured >1000 M Ω

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-2023-40217-2.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2023-10-12.

VDE Renewables GmbH


Dean Wen


Arnd Roth

63755 Alzenau, 2023-10-12