

## 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.: 10004/2023-40260

Applicant: Changzhou EGing Photovoltaic Technology Co., Ltd.

No. 18 Jinwu Road, 213213 Jintan City, China

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: CJ) EG-XXXM78-HL/BF-DG BM) EG-XXXM72-HL/BF-DG

BN) EG-XXXM60-HL/BF-DG BQ) EG-XXXM54-HL/BF-DG

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

between:

510 - 565 for BM) 425 - 470 for BN) 385 - 425 for BQ) 590 - 610 for (CJ)

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

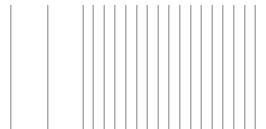
Power Degradation: < 5%

Dry Insulation Resistance: > 40 MΩm<sup>2</sup>

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. 0.22 %

The measured degradation is below the maximum allowed degradation.

**Dry Insulation Resistance:** required min. 14.3  $M\Omega$ 

measured  $>1000 M\Omega$ 

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

**Wet Insulation Resistance:** required min. 14.3  $M\Omega$ 

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-2023-40260-2.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2023-08-28.

**VDE Renewables GmbH** 

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