

## 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.: 10004/2022-40173

Applicant: Changzhou EGing Photovoltaic Technology Co., Ltd.

No. 18 Jinwu Road, 213213 Jintan City, China

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: BI) EG-XXXM72-HLV BJ) EG-XXXM60-HLV

BO) EG-XXXM54-HLV BM) EG-XXXM72-HL/BF-DG BN) EG-XXXM60-HL/BF-DG BQ) EG-XXXM54-HL/BF-DG BX) EG-XXXM66-HUV BR) EG-XXXM60-HUV

BS) EG-XXXM54-HUV BY) EG-XXXM66-HU/BF-DG BV) EG-XXXM60-HU/BF-DG BW) EG-XXXM54-HU/BF-DG

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

510 - 550 for BI), BM) 425 - 465 for BJ), BN) 385 - 425 for BO), BQ 640 - 670 for BX) 585 - 620 for BR) 530 - 555 for BS) 640 - 675 for BY) 585 - 605 for BV)

530 - 545 for BW)

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  $M\Omega m^2$ 

Visual Inspection: No findings

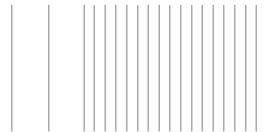
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BIC: DEUTDEFFXXX





## **Summary of test results:**

Maximum Power Degradation: allowed max. 5 %

measured max. 1.14 %

The measured degradation is below the allowed degradation.

**Dry Insulation Resistance:** required min. 15.5 M $\Omega$ 

measured  $>1000 M\Omega$ 

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

Wet Insulation Resistance: required min. 15.5  $M\Omega$ 

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-2022-40173-1.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2022-04-05.

**VDE Renewables GmbH** 

Dean Wen Arnd Roth

63755 Alzenau, 2022-04-05

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