



# 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 MΩm<sup>2</sup>  
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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