



# 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.:** 10004/2021-40232

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

**Product:** Crystalline silicon Photovoltaic (PV)-Modules

**Type:** BM) EG-XXXM72-HLV                      BN) EG-XXXM60-HLV  
BO) EG-XXXM54-HLV                      BP) EG-XXXM72-HL/BF-DG  
BQ) EG-XXXM60-HL/BF-DG                BR) EG-XXXM54-HL/BF-DG

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

510 – 550 for BM), BP)  
385 – 425 for BO), BR)

425 – 465 for BN), BQ)

**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 for BM), BN), BO), BP),BQ), BR)

## 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. 1.14 %

The measured degradation is below the allowed max. degradation.

**Dry Insulation Resistance:** required min. 15.5 M $\Omega$  for BM), BP)  
measured >1000 M $\Omega$

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

**Wet Insulation Resistance:** required min. 15.5 M $\Omega$  for BM), BP)  
measured >1000 M $\Omega$

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

**Visual Inspection:** No findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2021-40232-8.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2021-04-15.

### VDE Renewables GmbH

  
**Dean Wen**

  
**Arnd Roth**

63755 Alzenau, 2021-04-15