



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 ²
Wet Insulation Resistance:	> 40 MΩm ²
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 Ω for BM), BP)
measured >1000 M Ω

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

Wet Insulation Resistance: required min. 15.5 M Ω for BM), BP)
measured >1000 M Ω

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


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