



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.: 10004/2021-40918

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

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type:

BK) EG-XXXM72-HL	BL) EG-XXXM60-HL
BP) EG-XXXM54-HL	BI) EG-XXXM72-HLV
BJ) EG-XXXM60-HLV	BO) EG-XXXM54-HLV
BV) EG-XXXM60-HU/BF-DG	BW) EG-XXXM54-HU/BF-DG
BY) EG-XXXM66-HU/BF-DG	BR) EG-XXXM60-HUV
BS) EG-XXXM54-HUV	BX) EG-XXXM66-HUV

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

510 – 550 for BK), BI)
385 – 425 for BP), BO)
530 – 545 for BV)
585 – 620 for BR)
640 – 670 for BX)

425 – 465 for BL), BJ)
585 - 605 for BV),
640– 675 for BY)
530 – 555 for BS)

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 BI), BJ), BO), BV), BW), BY), BR), BS), BX) +/- 1000 V for BK), BL), BP)

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. 2.18 %

The measured degradation is below the allowed degradation.

Dry Insulation Resistance: required min. 15.5 M Ω
measured >1000 M Ω

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

Wet Insulation Resistance: required min. 15.5 M Ω
measured >1000 M Ω

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-2021-40918-4.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2022-02-28.

VDE Renewables GmbH


Dean Wen


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63755 Alzenau, 2022-02-28