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.: **10004/2022-40133**

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-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 - 550 for BM), 425 - 465, BN),
385 - 425 for BO)

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 MΩm²
Wet Insulation Resistance:	> 40 MΩm²
Visual Inspection:	No findings

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Summary of test results:

Maximum Power Degradation:	allowed	max. 5 %
	measured	max. 1.07 %

The measured degradation is below the allowed degradation.

Dry Insulation Resistance:	required	min. 15.5 MΩ
	measured	>1000 MΩ

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

Wet Insulation Resistance:	required	min. 15.5 MΩ
	measured	>1000 MΩ

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-2022-40133-2.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2022-05-23.

VDE Renewables GmbH

Dean Wen ***Arnd Roth***

63755 Alzenau, 2022-05-23