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.: **10004/2022-40173**

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

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

Type:

BI)	**EG-XXXM72-HLV**	**BJ)**	**EG-XXXM60-HLV**
BO)	**EG-XXXM54-HLV**	**BM)**	**EG-XXXM72-HL/BF-DG**
BN)	**EG-XXXM60-HL/BF-DG**	**BQ)**	**EG-XXXM54-HL/BF-DG**
BX)	**EG-XXXM66-HUV**	**BR)**	**EG-XXXM60-HUV**
BS)	**EG-XXXM54-HUV**	**BY)**	**EG-XXXM66-HU/BF-DG**
BV)	**EG-XXXM60-HU/BF-DG**	**BW)**	**EG-XXXM54-HU/BF-DG**

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

510 - 550 for BI), BM)	425 - 465 for BJ), BN)
385 - 425 for BO), BQ	640 - 670 for BX)
585 - 620 for BR)	530 - 555 for BS)
640 - 675 for BY)	585 - 605 for BV)
530 - 545 for BW)	

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

VDE RENEWABLES GMBH
Siemensstraße 30
63755 Alzenau, Germany
Managing Director: Burkhard Holder

Tel: +49 69 6308 5300
Fax: +49 69 6308 5320
Email: renewables@vde.com
www.vde.com/renewables

Location: Alzenau
District Court: Aschaffenburg
Registration No: HRB 13820
Tax Number: 204/141/20793

Bank Information:
Deutsche Bank AG
IBAN: DE14 5007 0010 0235 5006 01
BIC: DEUTDEFFXXX

Summary of test results:

Maximum Power Degradation:	allowed	max. 5 %
	measured	max. 1.14 %

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-2022-40173-1.

The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2022-04-05.

VDE Renewables GmbH

Dean Wen ***Arnd Roth***

63755 Alzenau, 2022-04-05