



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.: 10004/2020-40006

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

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type:

A) EG-XXXM72-HD	B) EG-XXXM60-HD
C) EG-XXXM72-D	D) EG-XXXM60-D
E) EG-XXXM72-HE	F) EG-XXXM60-HE
G) EG-XXXM72-HEV	H) EG-XXXM60-HEV
I) EG-XXXM72-HD/BF-DG	J) EG-XXXM60-HD/BF-DG
K) EG-XXXM72-HE/BF-DG	L) EG-XXXM60-HE/BF-DG

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

365 – 415 for A)	305 – 345 for B)	365 – 395 for C)
300 – 325 for D)	425 – 460 for E), G), K)	350 – 380 for F), H), L)
360 – 400 for I)	300 – 360 for J)	

Manufacturer: Changzhou EGing Photovoltaic Technology Co., Ltd.

Standard: IEC TS 62804-1:2015

Test conditions

Testing time:	192 h
Chamber temperature:	85°C
Relative Humidity:	85 %
Potential to ground:	- 1000 V for A) – F), - 1500 V for G) - L)

Pass criteria

Power degradation:	< 5%
Dry Insulation:	> 40 MΩm ²
Wet insulation:	> 40 MΩm ²



Summary of test results:

Maximum power degradation: allowed max. 5 %
measured max. 1.44 %

The measured degradation is below the allowed degradation.

Dry insulation resistance: required min. 19.9 M Ω for A), I)
min. 24.0 M Ω for D)
min. 18.1 M Ω for E), G)
min. 18.4 M Ω for K)
measured >1500 M Ω

The measured dry insulation resistance is above the limit.

Wet insulation resistance: required min. 19.9 M Ω for A), I)
min. 24.0 M Ω for D)
min. 18.1 M Ω for E), G)
min. 18.4 M Ω for K)
measured >1000 M Ω

The measured wet insulation resistance is above the limit.

Visual inspection: No findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2020-40006-1 and TRPVM-2020-40006-2. The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2020-03-17.

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