



# TS IEC 62804-1:2015

Photovoltaic (PV) Modules - Test Methods for the detection of potential-induced degradation

Part 1: Crystalline silicone  
Confirmation of test results

**Ref.:** 10004/2020-40328

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

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

**Type:** A) EG-XXXP72-HC  
B) EG-XXXP60-HC  
C) EG-XXXM84-HEV  
D) EG-XXXM78-HEV  
E) EG-XXXM84-HE  
F) EG-XXXM78-HE  
G) EG-XXXM84-HE/BF-DG  
H) EG-XXXM78-HE/BF-DG

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

320 – 365 for A)	270 – 305 for B)	500 – 560 for C), E)
455 – 520 for D), F)	500 – 560 for G)	455 – 520 for H).

**Manufacturer:** Changzhou EGing Photovoltaic Technology Co., Ltd.

**Standard:** TS IEC 62804-1:2015

## Test conditions

Testing time:	192 h
Chamber temperature:	85°C
Relative Humidity:	85 %
Potential to ground:	- 1000 V for type of A), B), E), F); - 1500 V for type of C), D), G), H)

## Pass criteria

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



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## Summary of test results:

**Maximum power degradation:** required max. 5 %  
measured max. 1.08 %

The measured degradation is below the allowed degradation.

**Dry insulation resistance:** required > 40 MΩm<sup>2</sup>  
measured >1000 MΩ

The measured dry insulation resistance is above the limit.

**Wet insulation resistance:** required > 40 MΩm<sup>2</sup>  
measured >1000 MΩ

The measured wet insulation resistance is above the limit.

**Visual inspection:** No findings

The relevant bill of materials is given in Test Report No.: TRPVM-2020-40328-1.  
The overview of the already approved modules with the approved bill of materials is given in Annex 1, dated 2020-07-20.

## VDE Renewables GmbH

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**Dean Wen**

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