



# 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.:** PVMTR-2016-40203-1

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

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

**Type:** A) EG-XXXM60-C  
B) EG-XXXP60-C  
C) EG-XXXM72-C  
D) EG-XXXP72-C

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

200 – 320 for A)  
200 – 290 for B)  
240 – 385 for C)  
235 – 350 for D)

**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

## 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:

<b>Maximum power degradation:</b>	required	max. 5 %
	measured	max. 1.99 %

The measured degradation is below the allowed degradation.

<b>Dry insulation resistance:</b>	required	24,5 M $\Omega$ for A), B) 20,5 M $\Omega$ for C), D)
	measured	>500 M $\Omega$

The measured dry insulation resistance is above the limit.

<b>Wet insulation resistance:</b>	required	24,5 M $\Omega$ for A), B) 20,5 M $\Omega$ for C), D)
	measured	>500 M $\Omega$

The measured wet insulation resistance is above the limit.

**Visual inspection:** No findings

The relevant bill of materials is given in Annex\_1\_PVMTR-2016-40203-1 and Annex\_2\_PVMTR-2016-40203-1.

The complete test results are given in Test Report No.: PVMTR-2016-40203-1.

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