



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

File Ref.: 10004/2018-40125

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-C/BF-DG
B) EG-XXXM60-C/BF-DG
C) EG-XXXP60-C-DG
D) EG-XXXM60-C-DG

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

280 – 370 for A), 235 – 310 for B), 235 – 295 for C), 235 – 310 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: - 1500 V

Pass criteria

Power degradation: < 5%
Dry Insulation: > 40 MΩm²
Wet insulation: > 40 MΩm²



Summary of test results:

Maximum power degradation: allowed max. 5 %
measured max. 2.36 %

The measured degradation is below the allowed degradation.

Dry insulation resistance: required min. 20.2 M Ω for A)
min. 24.2 M Ω for B)
min. 24.4 M Ω for C), D)
measured >500 M Ω

The measured dry insulation resistance is above the limit.

Wet insulation resistance: required min. 20.2 M Ω for A)
min. 24.2 M Ω for B)
min. 24.4 M Ω for C), D)
measured >500 M Ω

The measured wet insulation resistance is above the limit.

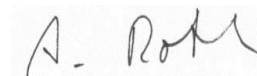
Visual inspection: No findings

The relevant bill of materials is given in Test Report No.: TRPVM-2018-40125-1.

The complete test results are given in Test Report No.: TRPVM-2018-40125-1.

VDE Renewables GmbH


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