



TS IEC 62804-1:2015

Photovoltaic (PV) Modules - Test Methods for the detection of potential-induced degradation
Part 1: Crystalline silicone

Ref.: 5005440-3972-0001/195271

Applicant: SolarWorld AG
Martin-Luther-King-Str. 24, 53175 Bonn

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: A) Sunmodule Plus SW XXX mono Y
A) Sunmodule Plus SW XXX poly Y
B) Sunmodule Plus SW XXX XL mono Y
B) Sunmodule Plus SW XXX XL poly Y
C) Sunmodule Protect SW XXX poly Y

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

200 – 320 for A), C); 260 – 385 for B)

Y in the type replaces a potential suffix and can be black or clear

Manufacturer: SolarWorld AG

Standard: TS IEC 62804-1:2015

Test conditions

Testing time: 96 h

Chamber temperature: 60°C

Relative Humidity: 85 %

Potential to ground: - 1000 V

Pass criteria

Power degradation: < 5%

Dry Insulation: > 40 MΩm²

Wet insulation: > 40 MΩm²





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Summary of test results:

Maximum power degradation: required max. 5 %
measured max. 2,75 %

The measured degradation is below the allowed degradation.

Dry insulation resistance: required 23,81 MΩ
measured >500 MΩ

The measured dry insulation resistance is above the limit.

Wet insulation resistance: required 23,81 MΩ
measured >500 MΩ

The measured wet insulation resistance is above the limit.

Visual inspection: No findings

The complete test results are given in Test Report No.: 195271-ET2-1.

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet ET2 / Section ET2


Thomas Hartmann


Arnd Roth

63069 Offenbach, 2017-02-13

