



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.: 10118/2017-40287

Applicant: SolarWorld Industries GmbH
Martin-Luther-King-Str. 24, 53175 Bonn, Germany

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: A) Sunmodule Plus SW XXX mono Y
A) Sunmodule Plus SW XXX poly Y
B) Sunmodule SW XXX XL mono Y
B) Sunmodule 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 Industries GmbH

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



Summary of test results:

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

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	23,81 M Ω
	measured	>500 M Ω

The measured dry insulation resistance is above the limit.

Wet insulation resistance:	required	23,81 M Ω
	measured	>500 M Ω

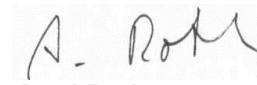
The measured wet insulation resistance is above the limit.

Visual inspection: No findings

The complete test results are given in Test Report No.: TRPVM-2017-40287-8.

VDE Renewables GmbH


Thomas Hartmann


Arnd Roth

63755 Alzenau, 2017-08-30