



TS IEC 62804-1:2015

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

Part 1: Crystalline silicone
Confirmation of test results

VDE Renewables File Ref.: 10011/ET-20201127-293-1

Applicant: Wuxi Suntech Power Co., Ltd.
16 Xin Hua Road, 214028 Wuxi City, China.

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: A) STPXXXS-C72/Vmh
B) STPXXXS-C66/Wmh
C) STPXXXS-C54/Umh STPXXXS-C54/Umh

XXX in the type replaces the power in watt and can be any number between: 525 - 550 for A), 480 - 500 for B), 390 - 410 for C)

Manufacturer: Wuxi Suntech Power 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 M Ω m²

Wet insulation: > 40 M Ω m²





Summary of test results:

Maximum power degradation:	allowed	max. 5 %
	measured	max. 0.71%

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	min. 15.5 M Ω
	measured	>500 M Ω

The measured dry insulation resistance is above the limit.

Wet insulation resistance:	required	min. 15.5 M Ω
	measured	>500 M Ω

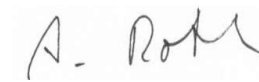
The measured wet insulation resistance is above the limit.

Visual inspection:	No findings
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The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM- ET-20201127-293-1.

VDE Renewables GmbH


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