



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.: 10011/2017-40260

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

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type:

A) STPXXXS-20/Wfw, STPXXXS-20/Wfb
STPXXXS-20/Wfm STPXXXS-20/Wfs
STPXXXS-20/Wfy

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

265 - 320 for A)

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: - 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:	allowed	max. 5 %
	measured	max. 2.00 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	min. 24.6 M Ω
	measured	>1000 M Ω

The measured dry insulation resistance is above the limit.

Wet insulation resistance:	required	min. 24.6 M Ω
	measured	>1000 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-2017-40260-3.

VDE Renewables GmbH

Dean Wen

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