IEC 61701:2020
Salt mist corrosion testing of photovoltaic (PV) modules
Confirmation of test results

VDE Renewables File Ref.: 10011/TRPVM-ET-20220909-165

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

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type: **A) STPXXXS-D66/Pmh+** **B) STPXXXS-D60/Pmh+**

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

640 – 685 for A); 580 – 620 for B)

Manufacturer: Wuxi Suntech Power Co., Ltd.

Standard: IEC 61701:2020, Salt mist corrosion test

Test conditions

Test method:	6
Testing time:	1344 hrs
Chamber temperature:	40°C
Relative Humidity:	93 %
Mist pH level:	7

Pass criteria

Power degradation:	< 5%
Dry Insulation:	> 40 MΩm²
Wet insulation:	> 40 MΩm²
Ground continuity:	< 0.1Ω

Bypass diode functionality: Shall be functional after test

VDE RENEWABLES GMBH
Siemensstraße 30
63755 Alzenau, Germany
Managing Director: Burkhard Holder

Tel: +49 69 6308 5300
Fax: +49 69 6308 5320
Email: renewables@vde.com
www.vde.com/renewables

Location: Alzenau
District Court: Aschaffenburg
Registration No: HRB 13820
Tax Number: 204/141/20793

Bank Information:
Deutsche Bank AG
IBAN: DE14 5007 0010 0235 5006 01
BIC: DEUTDEFFXXX

Summary of test results:

Maximum power degradation:	allowed	max. 5 %
	measured	max. 0.23 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	min. 12.9 MΩ
	measured	>500 MΩ

The measured dry insulation resistance is above the limit.

Wet insulation resistance:	required	min. 12.9 MΩ
	measured	>500 MΩ

The measured wet insulation resistance is above the limit.

Visual inspection:	No findings

Ground continuity test:	allowed	max. 0.1Ω
	measured	max. 0.0095Ω

Bypass diode functionality test: Still functional after test

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-ET-20220909-165-18

VDE Renewables GmbH

Zhiyao Wang ***Dean Wen***

Shanghai, 2023-01-02