IEC TS 62804-1:2015

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

Ref.: **10011/2020-40028**

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

Product: **Crystalline Silicon Photovoltaic (PV)-Modules**

Type:

A) STPXXXS-B72/Vnh	**B) STPXXXS-B72H/Vnh**
C) STPXXXS-B60/Wnh	**D) STPXXXS-B60H/Wnh**
E) STPXXXS-B60/Wnhm	**F) STPXXXS-B60/Wnhb**
G) STPXXXS-A72/Vnh	**H) STPXXXS-A72H/Vnh**
I) STPXXXS-A60/Wnh	**J) STPXXXS-A60H/Wnh**
K) STPXXXS-A60/Wnhb	**L) STPXXXS-A60/Wnhm**

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

415 – 445 for A), B)	345 – 370 for C), D), E), F)
365 – 410 for G), H)	305 – 340 for I), J), K), L)

Manufacturer: **Wuxi Suntech Power Co., Ltd.**

Standard: IEC TS 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 MΩm²
Wet insulation:	> 40 MΩm²

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. 1.87 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	min. 18.3 MΩ
	measured	>500 MΩ

The measured dry insulation resistance is above the minimum required dry insulation resistance.

Wet insulation resistance:	required	min. 18.3 MΩ
	measured	>500 MΩ

The measured wet insulation resistance is above the minimum required wet insulation resistance.

Visual inspection: No findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2020-40028-4.

VDE Renewables GmbH

Dean Wen ***Arnd Roth***

63755 Alzenau, 2020-07-03