



IEC 61701:2011

Salt mist corrosion testing of photovoltaic (PV) modules

Confirmation of test results

Ref.: 10533/2020-40182

Applicant: SOLUXTEC SA
74, Rte de Luxembourg, 6633 WASSERBILLIG,
LUXEMBURG

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Series: DAS MODUL Mono Serie FS, Powerslate Mono Serie FS

Type: A) DMMFSXXX, B) PSMFSXXX

Series: DAS MODUL Poly Serie FS, Powerslate Poly Serie FS

Type: C) DMPFSXXX, D) PSPFSXXX

Series: DAS MODUL Mono Serie FR60, PowerSlate Mono Serie FL60

Type: E) DMMXXX, F) PSMXXX

Series: DAS MODUL Multi Serie FR60, PowerSlate Multi Serie FL60

Type: G) DMPXXX, H) PSPXXX

XXX in the type replaces the power in Watt and can be any number between: 290 – 350 for A) and B), 260 – 275 C), D), G), and H), 290- 310 for E), 285 – 310 for F)

Manufacturer: Soluxtec GmbH

Standard: IEC 61701:2011

Test conditions: As given in IEC 61701:2011

Severity: 6

Testing time: 56 days

Mist ph level: 7

Angle of inclination from horizontal: 75°

Pass criteria

Visual inspection: No findings which may affect safety.

Power degradation: < 5 %

Dry Insulation: > 40 MΩm²

Wet insulation: > 40 MΩm²

Bonding path resistance: < 0.1 Ω

Bypass diode functionality test: Bypass diodes shall remain functional.



Summary of test results:

Visual inspection: No findings.

Maximum power degradation: allowed < 5 %
measured max. 1,09 %

The measured degradation is below the limit.

Dry insulation resistance: required $\geq 23,91 \text{ M}\Omega$
measured min. 1000 $\text{M}\Omega$

The measured dry insulation resistance is above min. required insulation resistance.

Wet insulation resistance: required $\geq 23,91 \text{ M}\Omega$
measured min. 1000 $\text{M}\Omega$

The measured wet insulation resistance is above min. required insulation resistance.

Bonding path resistance: required < 0,1 Ω
measured max. 0,0022 Ω

The measured bonding path resistance below the max. allowed bonding path resistance.

Bypass diode functionality test: Bypass diodes remain functional

The complete test results and the related bill of materials are given in the Test Report No. TRPVM-2020-40182-3.

VDE Renewables GmbH


Dean Wen


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