

Confirmation of Test Result

IEC 61701:2011

Salt mist corrosion testing of photovoltaic (PV) modules

Ref.: TRPVM-2017- 40045-1

Applicant: Solarwatt GmbH, Maria Reiche Straße 2A, 01109 Dresden

Manufactor: Solarwatt GmbH, Maria Reiche Straße 2A, 01109 Dresden

Product: Crystalline silicon Photovoltaic (PV)-Modules

Standard: IEC 61701:2011, Salt mist corrosion test

Type: Vision 36M glass Easyln 60M

Vision 60M Easyln 60M style
Vision 60M style Easyln 60M black
Vision 60M black Easyln 60P
Vision 60M high power Easyln 60P style

Vision 60M build Vision 60M laminate

Vision 60P Vision 60P style Vision 60P laminate Vision 60M black laminate

Test conditions

Severity level: 5

Testing time: 672 h

Chamber temperature: 40°C

Relative Humidity: 93 %

Mist pH level: 7

Pass criteria

Power degradation: < 5%

Dry Insulation: $> 40 \text{ M}\Omega\text{m}^2$

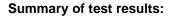
Wet insulation: $> 40 \text{ M}\Omega\text{m}^2$

Ground continuity: $< 0.1\Omega$

Bypass diode functionality: Shall be functional after test

BIC: DEUTDEFFXXX





Maximum power degradation: red

required

max. 5 %

measured max. 0,2 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:

required

23,95 MΩ

measured

>500 MΩ

The measured dry insulation resistance is above the limit.

Wet insulation resistance:

required

23,95 ΜΩ

measured

>500 MΩ

The measured wet insulation resistance is above the limit.

Visual inspection:

No findings

Ground continuity test:

required measured

max. 0,1Ω

max. $0,457m\Omega$

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-2017-40045-1

VDE Renewables GmbH

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