



IEC 61701:2011

Salt mist corrosion testing of photovoltaic (PV) modules

Confirmation of test results

VDE Renewables File Ref.: 10013/2017- 40045

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

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type:

Vision 36M glass	EasyIn 60M
Vision 60M	EasyIn 60M style
Vision 60M style	EasyIn 60P
Vision 60M high power	EasyIn 60P style
Vision 60P	
Vision 60P style	
Vision 60P high power	

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

Standard: IEC 61701:2011, Salt mist corrosion test

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 MΩm ²
Wet insulation:	> 40 MΩm ²
Ground continuity:	< 0.1Ω
Bypass diode functionality:	Shall be functional after test



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Summary of test results:

Maximum power degradation: required max. 5 %
measured max. 0,2 %

The measured degradation is below the allowed degradation.

Dry insulation resistance: required 23,95 M Ω
measured >500 M Ω

The measured dry insulation resistance is above the limit.

Wet insulation resistance: required 23,95 M Ω
measured >500 M Ω

The measured wet insulation resistance is above the limit.

Visual inspection: No findings

Ground continuity test: required max. 0,1 Ω
measured max. 0,457m Ω

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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