



Confirmation of Test Result

IEC 61701:2020

Salt mist corrosion testing of photovoltaic (PV) modules

Ref.: 2022-40079

Applicant: SOLARWATT GmbH, Maria-Reiche-Str. 2a, 01109 Dresden

Manufacture: SOLARWATT GmbH, Maria-Reiche-Str. 2a, 01109 Dresden

Product: Crystalline silicon Photovoltaic (PV)-Modules

Standard: IEC 61701:2020, Salt mist corrosion test

Type: Change of type designation due to marketing reasons

Panel vision GM 3.0 (xxx Wp) pure	Panel vision GM 3.0 (xxx Wp) pure, light
Panel vision GM 3.0 (xxx Wp) pure, low carbon	Panel vision GM 3.0 (xxx Wp) pure, HV
Panel vision GM 3.0 (xxx Wp) style	Panel vision GM 3.0 (xxx Wp) style, light
Panel vision GM 3.0 (xxx Wp) style, low carbon	Panel vision GM 3.0 (xxx Wp) style, HV
Panel vision GM 3.0 (xxx Wp) construct	Panel vision GM 3.0 (xxx Wp) construct, light
Panel vision GM 3.0 (xxx Wp) construct, low carbon	Panel vision GM 3.0 (xxx Wp) construct, HV
Panel vision GM 3.0 (xxx Wp) black	
Panel vision GM 3.0 (xxx Wp) black, low carbon	
Panel vision GM 3.0 (xxx Wp) black, light	
Panel vision GM 3.0 (xxx Wp) black, HV	

Test conditions

Test method:	6
Corrosivity classification:	C5
Testing time:	1344 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:	< 0.1 Ω

Bypass diode functionality: Shall be functional after test



Summary of test results:

Maximum power degradation:	required	max. 5 %
	measured	max. 0,91 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	21,4 M Ω
	measured	>1500 M Ω

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

Wet insulation resistance:	required	21,4 M Ω
	measured	>1500 M Ω

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

Visual inspection:	No findings
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Ground continuity test:	required	max. 0,1 Ω
	measured	max. 0,0076 Ω

The measured resistance is below the max. allowed resistance.

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-2021-40202-2

VDE Renewables GmbH


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