

## **Confirmation of Test Result**

IEC 61701:2020

Salt mist corrosion testing of photovoltaic (PV) modules

Def	2022 40070	1 1 11111111111111111111
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 (P	V)-Modules
Standard:	IEC 61701:2020, Salt mist corrosion	test
Type: Panel vision GM Panel vision GM	Change of type designation due to n 13.0 (xxx Wp) pure 3.0 (xxx Wp) pure, low carbon 3.0 (xxx Wp) style 3.0 (xxx Wp) style, low carbon 3.0 (xxx Wp) construct 3.0 (xxx Wp) construct, low carbon 3.0 (xxx Wp) black 3.0 (xxx Wp) black, low carbon 3.0 (xxx Wp) black, low carbon 3.0 (xxx Wp) black, light 3.0 (xxx Wp) black, HV	harketing reasons Panel vision GM 3.0 (xxx Wp) pure, light Panel vision GM 3.0 (xxx Wp) pure, HV Panel vision GM 3.0 (xxx Wp) style, light Panel vision GM 3.0 (xxx Wp) style, HV Panel vision GM 3.0 (xxx Wp) construct, light Panel vision GM 3.0 (xxx Wp) construct, HV
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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 MΩm²
Wet insulation:	> 40 MΩm²
Ground continuity:	< 0.1 Ω

Bypass diode functionality: Shall be functional after test

#04980 | Rev 0 | ----

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

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	21,4 MΩ
	measured	>1500 MΩ

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

Wet insulation resistance:	required	21,4 MΩ
	measured	>1500 MΩ

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

Visual inspection:	No findings	
Ground continuity test:	required measured	max. 0,1 Ω 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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63755 Alzenau, 2022-06-01