



Confirmation of Test Result

IEC 61215-2:2021

Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures – Static Mechanical load test (MQT 16)

Ref.: 2022-40079

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

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

Product: **Crystalline Silicon Photovoltaic (PV)-Modules**

Standard: IEC 61215-2:2021, clause 4.16, Static Mechanical load test (MQT 16)

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

Test conditions:

Design load (front side / back side):	8100 Pa / 3600 Pa
Safety factor:	1,5
Test load (front side / back side):	12150 Pa / 5400 Pa

Pass criteria:

Power degradation:	< 5 %
Wet leakage current test:	> 40 M Ω m ²
Visual Inspection:	no major visual defects

Summary of test results:

Maximum power degradation:	Allowed:	max. 5 %
	Measured:	max. 0,1 %
Wet leakage current test:	Allowed:	min. 21,4 M Ω
	Measured:	>1500 M Ω

The measured degradation is below the allowed degradation. Pass criteria for wet leakage current test has been met.

Visual inspection: No major visual defects

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2021-40748-1

VDE Renewables GmbH

Ruben Schönfelder

Arnd Roth

63755 Alzenau, 2022-06-01