



# Confirmation of Test Result

IEC 61215-2:2021

Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures – Hail test (MQT 17)

**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 4.17, Hail test (MQT 17)

**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) 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	
Panel vision GM 3.0 (xxx Wp) black, HV	

**Test conditions:**

Diameter of ice ball:	35 mm
Mass:	20.7 g
Test Velocity:	27.3 m/s
Impact energy:	7.7 J

**Pass criteria:**

Wet insulation resistance:	min. 40 MΩ * m <sup>2</sup>
Visual inspection:	No findings

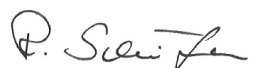
**Summary of test results:**

Wet insulation resistance:	min. 21,4 MΩ
	Measured: 1870 MΩ
Visual inspection:	No findings

All pass criteria for classification of Hail withstand **HW3** according / following VKF - Prüfbestimmung "Nr. 25 "Photovoltaik Module" - Version 1.03 (01/11/2016) following IEC 61215-2 "Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures" have been met.

The complete test results and the relevant bill of materials are given in Test Report No. TRPVM-2021-40748-1 and TÜV Rheinland Test Report No. 21253597.001rev1.

VDE Renewables GmbH

  
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