

## **Confirmation of Test Result**

IEC 61215-2:2021 MQT 21

Terrestrial photovoltaic (PV) modules - Design qualification and type approval

– Part 2: Test procedures– Potential induced degradation test (MQT 21)

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 MQT 21

**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, 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:** Testing time: 96 h

Chamber temperature: 85°C

Relative Humidity: 85 %

Potential to ground: + / - 1500 V

Pass criteria: Power degradation\*: < 5 %

Summary of test results:

**Maximum power degradation:** required\* max. 5 %

measured\* max. 4,3 %

The measured degradation is below the allowed degradation.

Visual inspection: No findings

The complete test results and the relevant bill of materials are given in Test Report TRPVM-2021-40260-1, issued 2021-10-29.

**VDE Renewables GmbH** 

P. Soci for Ruben Schönfelder

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Arnd Roth

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<sup>\*</sup> Reproducibility of 1% according to IEC 61215-1-1:2021 is included