Confirmation of Test Result

IEC 61730-2:2016

Photovoltaic (PV) Modules - MST23 Classification of the fire resistance in acc. with IEC 61730-2:2016, Annex B.2 (DIN CEN/TS 1187-1:2012-03, DIN EN 13501-5:2016-12)

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 61730-2:2016, Annex B.2
DIN EN 13501-5:2016-12
DIN CEN/TS 1187-1:2012-03

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

Test conditions:	Roof pitch	15° / 45°
Pass criteria:	Internal fire spread in upward direction	< 0,70 m
	External fire spread in upward direction	< 0,70 m
	Internal fire spread in downward direction	< 0,60 m
	External fire spread in downward direction	< 0,60 m
	Max. burnt length up- and downward from basked Internal	< 0,80 m
	Max. burnt length up- and downward from basked external	< 0,80 m
	Lateral Fire spread	< Edges
	Burning droplets/ debris falling from the exposed side	No
	Fire penetration by flaming/ glowing particles	No
	Single openings	< 2,5 mm²
	Sum of openings	< 4500 mm²
	Internal glowing	No
	Max. radius of flame spread internal and external (horizontal roof)	< 0,20 m

Summary of test results: All pass criteria for **B_{ROOF}(t1)** according to DIN EN 13501-5:2016-12 have been met.

The complete test results and the relevant bill of materials are given in Test Report TRPVM-2021-402620-1, issued 2021-10-29.

VDE Renewables GmbH

Ruben Schönfelder ***Arnd Roth***

63755 Alzenau, 2022-06-01

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