Review: 04/27/2024

ROOF TILES PERKUS
High performance roofing specialists

PERKUS ENERGY

Plan Solar Roof Tile 10W

INMETRO Record N° 011692/2023

- 10 years manufacturing warranty and minimum efficiency of 80% over 25 years;
- Reduced PID (Potential Induced Degradation);
- Cell efficiency of 21.3%;
- Monocrystalline cells;
- Excellent performance in low light conditions;
- IP 67 connection box;
- Worldwide standard MC4 connectors;

Inverters (single, three-phase or hybrid string) and approved Micro Inverters

- Deye
- Intelbras, Weg, Growatt, Fronius, Sungrow, Huawey, Solis e Sofar

Electrical Data/*STC

Specifications	Data
Maximum power at STC (Pmax)	10 W
Opt. operating voltage (Vmp)	5.00 V
Opt. operating current (Imp)	2.2 A
Open - circuit voltage (Voc)	6.00 V
Short - circuit current (Isc)	2.4 A
Maximum system voltage	500 V
Operating temperature	-20°c ~+60°c
* Exposure efficiency	9.91%
Module efficiency	19.60%
Cell efficiency 2	21.3%
Average energy production (kWh/month)	1.25kWh/mês

Temperature Characteristics

Specifications	Data
Temperature coefficient (Pmax)	-0,44 %/°c
Temperature coefficient (Isc)	0,33 %/°c
Temperature coefficient (Voc)	-0,055 %/°c
Nominal operating temperature cell	45 ± 2°c

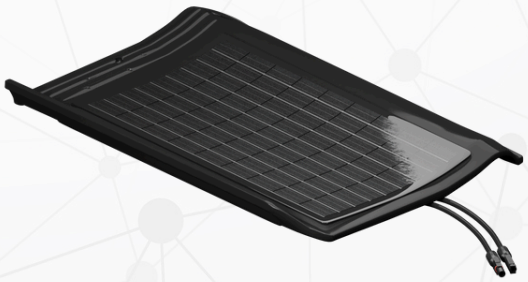
Data

Specifications	Data
Cell type	Monocrystalline
Number of cells	09 Cells
Dimensions	165 x 340 mm
Display dimensions	160 x 330 mm
Weight	1,42 kg
Connection box	IP 67, MC-4, 1 Diodo
Cable	4mm², 500mm
Connector	MC4

All data under standard test conditions.

Irradiance 1000w/m², Operating temperature 25°C, AM spectrum 1.5

* Exposure efficiency is the ratio between the yield of the area that is exposed to the irradiance.



casagrande revestimentos cerâmicos grupo r. casagrande

in compliance with the Brazilian Association of Technical Standards

ITALIAN TECHNOLOGY AND DESIGN

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