

Main Features



Building materials safety standards

Double glass design, strong impact resistance performance
Class A fire protection rating & long service life



Wind proofing and waterproofing

Ingenious design of lapping & fixed structure, good flatness
and self-cleaning
Reliable wind proofing & waterproofing performance



Light weight

Only 8.5 Kg per single piece
Light and easy to installation



Adapt to traditional tile roofs

Consistent with traditional tile roof structure and installation method
Integrated with various tile roofs



Customized colors

Match different colors of tile roofs to conform to architectural
aesthetics

Product Certificates



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Solar Roof Tile

DDE100(K)

Electrical performance parameters

Maximum power (Pm/Wp)	100
Maximum power voltage (Vmp/V)	9.49
Maximum power current (Imp/A)	10.58
Open circuit voltage (Voc/V)	10.99
Short circuit current (Isc/A)	11.11

Mechanical performance parameters

Cell array	Mono half-cut cells 32pcs(16*2)
Cell size (mm)	166*83
Glass thickness (mm)	2.0
Frame	anodized aluminum alloy
Cable	4mm ² , negative300mm, positive300mm
Module weight(kg)	8.5
Module dimension(L*W*H)(mm)	1458*420*21, installing size1522*420*46.7, (including left,right and back side mounted frame bracket)
Packing	36pcs/pallet
Packing box size(L*W*H)(mm)	1630*1170*590

Quality parameters

Module working temperature range (°C)	-40~+85
Power tolerance (W)	0~+5
Maximum system voltage (V)	DC1500
System maximum protection current (A)	20
NOCT(°C)	45±2
Front/rear static loads(Pa)	2400/5400
Junction box/Connector	IP68/dual compatible MC4

Temperature coefficient (STC)

Temperature coefficient of Voc	-0.3%/°C
Temperature coefficient of Isc	+0.06%/°C
Temperature coefficient of Pm	-0.39%/°C

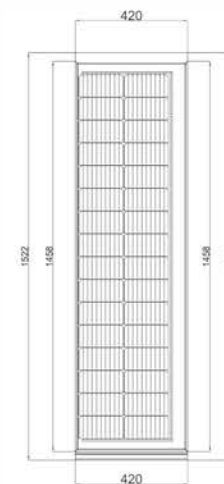
Test condition: irradiance=(1+0.1BiFi)1000W/m², ambient temperature=25°C, AM=1.5

Quality warranty

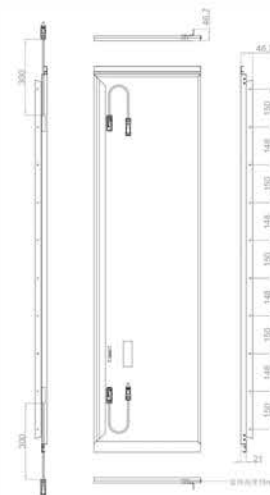
- 12-year materials&workmanship warranty
- 30-year linear power warranty

Attention:Read safety and installation instructions before using.
The parameters in this sheet are subject to change without prior notice.

Module dimension (mm)



Front



Back

I-V curve

