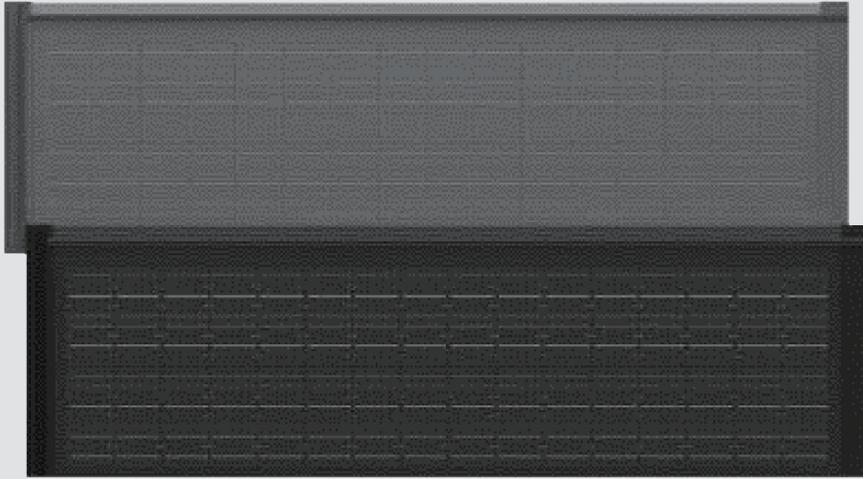


Plane PV Tile (130W-140W)



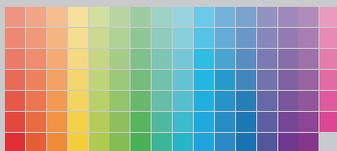
Modern technology and traditional architecture are perfectly combined, and a variety of colors are available. Can provide integrated solar power roof design, the whole system solution. Can be widely used in high-end villas, club venues, public building roof.

Product Characteristics

- ◆ The standard size of the product is $1580 \times 522 \times 37$ mm, matching the building module,
 - ◆ which is more conducive to the early architectural design and later construction;
 - ◆ Module power up to 140W, module conversion efficiency 18.4%;
 - ◆ Three side frame design, no ash accumulation problem;
 - ◆ Weight 10.5kg, can be installed by one person;
 - ◆ Instead of traditional cement and clay tiles, the weight is half of traditional tiles, and the strength is several times that of ordinary tiles;
- Can achieve a single piece of independent disassembly, convenient for later maintenance.

Standard Color

Colors and patterns can be customized

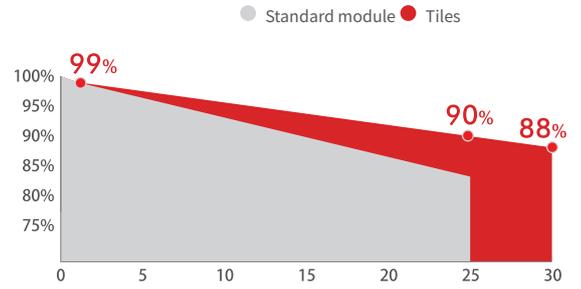
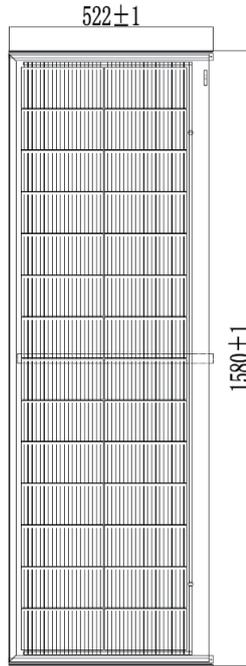


Plane PV Tile (130-140W)

28 Half-plate/double-glass non-transparent heterojunction half-plate assembly

Engineering drawing

unit: mm



* For details, please refer to the product warranty instructions.

Mechanical parameters

Cell type	Single-crystal heterojunction 210×105mm
Cell arrangement	28 (14×2)
Module size	1580×522×37 mm
Module weight	10.5 kg
Junction box	Protection grade IP67/IP68
Output cable	4mm ² , 1000mm cable length, cable length can be customized/ UV protection
Connector class	MC4 compatible
Frame	6005-T5 aluminum alloy
Sealant	PVB
Front static load (snow pressure)	5400 Pa
Back static load (wind pressure)	2400 Pa
Glass	(F) 2.0mm ultra-white heat-strengthened glass (B) 2.0mm heat-strengthened glass

Electrical parameter (STC*)

Module type	HL-XWB13 T01130	HL-XWB13 T01135	HL-XWB13 T01140
Maximum power (P _{max})	130W	135W	140W
Module efficiency (%)	17.1%	17.7%	18.4%
Optimum operating voltage (V _{mp})	8.60V	8.80V	8.98V
Optimum operating current (I _{mp})	15.12A	15.35A	15.59A
Open-circuit voltage (V _{oc})	10.42V	10.44V	10.46V
Short-circuit current (I _{sc})	15.95A	16.19A	16.45A
Operating temperature range of modules	-40 ~ +85 °C		
Maximum system voltage	DC1000V (IEC)		
Maximum rated fuse current	20A		
Power tolerance range	0~+5W		

*STC (standard test condition): irradiance 1000W/m², battery temperature 25 °C, spectrum AM1.5.

Safety level & warranty

Safety level	Class II
Product warranty	10-year product materials and processes
Power warranty	30-year linear power output*

* The attenuation is 1% in the first year, not more than 0.375% annually from the next year, and not less than 88% in the 30th year.

Temperature coefficient

Rated operating temperature of battery (NOCT)	44 °C ± 2 °C
Maximum power temperature coefficient (P _{max})	-0.26%/ °C
Temperature coefficient of open circuit voltage (V _{oc})	-0.24%/ °C
Temperature coefficient of short-circuit current (I _{sc})	0.04%/ °C

Packaging information

Tablet/plate	24pieces
Weight/pallet	330Kg

The specifications and key features described in this data sheet may deviate slightly. Please access the latest version of the specification at any time. The specification shall be formally incorporated into the binding contract signed by both parties and shall apply to all transactions relating to the sale and purchase of the products described herein.