



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.

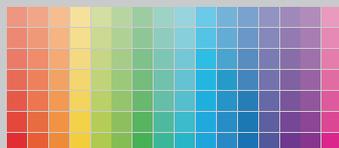
## Product Characteristics

- ◆ The standard size of the product is 1580×522× 37mm, 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



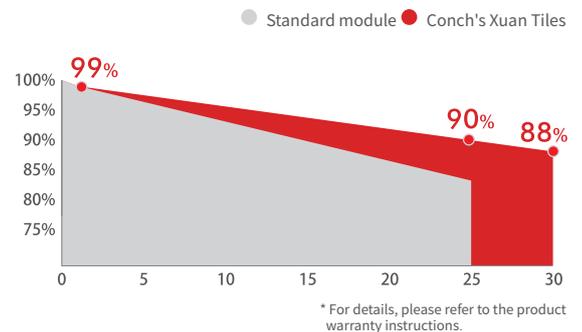
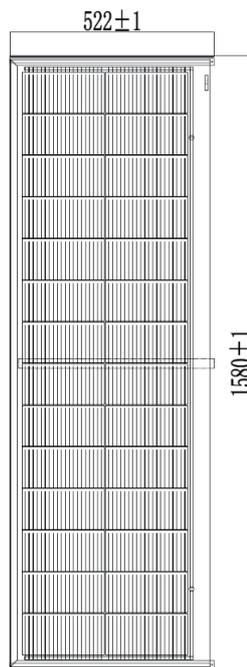
Company official website

# Xuan Tile · Plane PV Tile (130-140W)

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

Engineering drawing

unit: mm



## 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 <sup>2</sup> , 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 <sub>max</sub> )	130W	135W	140W
Module efficiency (%)	17.1%	17.7%	18.4%
Optimum operating voltage (V <sub>mp</sub> )	8.60V	8.80V	8.98V
Optimum operating current (I <sub>mp</sub> )	15.12A	15.35A	15.59A
Open-circuit voltage (V <sub>oc</sub> )	10.42V	10.44V	10.46V
Short-circuit current (I <sub>sc</sub> )	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/m<sup>2</sup>, battery temperature 25 °C, spectrum AM1.5.

## Temperature coefficient

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

## 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.

## Packaging information

Tablet/plate	24pieces
Weight/pallet	330Kg

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