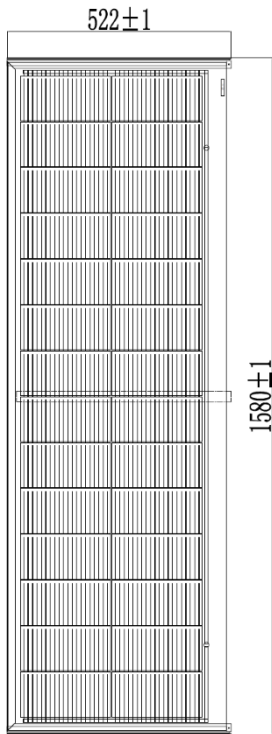


Plane Photovoltaic Tile 80-90W

28 half-cell/double-glass crimson heterojunction half-cell module

Engineering Drawing

Unit: mm



Electrical Parameters(STC)

Spec/Model	HL-XWB13 C28080	HL-XWB13 C28085	HL-XWB13 C28090
Rated Maximum Power (P _{max})	80W	85W	90W
Effective Module Efficiency (%)	10.5%	11.2%	11.8%
Voltage at P _{max} (V _{mp})	8.75V	8.99V	9.16V
Current at P _{max} (I _{mp})	9.14A	9.46A	9.83A
Open-Circuit Voltage (V _{oc})	10.40V	10.49V	10.61V
Short-Circuit Current (I _{sc})	9.78A	10.05A	10.45A
Normal Cell Operating Temperature Range	-40 to +85 ° C		
Maximum System Voltage	DC1000V (IEC)		
Maximum Rated Fuse Current	30A		
Power Tolerance Range	0~+5W		

STC: Irradiation 1000W/m², Module Temperature=25° C, AM=1.5。

Temperature Coefficient

Nominal Module Operating Temperature	44° C±2° C
Temperature Coefficient of P _{max}	-0.26%/° C
Temperature Coefficient of V _{oc}	-0.24%/° C
Temperature Coefficient of I _{sc}	0.04 %/° C

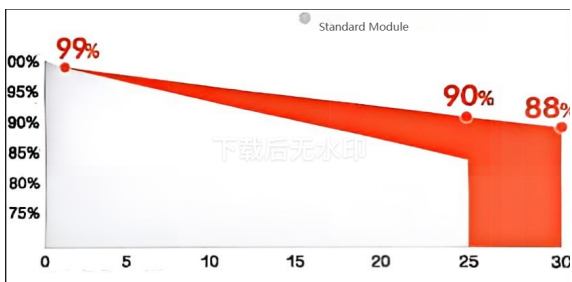
Mechanical Parameters

Cell (quantity/material/type/dimensions)	Single Crystals Heterojunction Components 210×105mm
Cell Arrangement	28 (14×2)
Installation Module Dimension (L×W×H)	1580×522×37 mm
Weight	10.5 kg
Junction Box(Protection Degree)	Protection Level IP67 / IP68
Cable(Length/Cross-section area)	4mm ² , 1000mm cable length, cable length can be customized/UV protection
Connector	MC4 Compat
Frame	6005-T5 Aluminum Alloy
Sealants	PVB
Static load on Front(snow, wind)	5400 Pa
Static load on back(wind pressure)	2400 Pa
Glass	(F) 2.0mm Ultra-transparent and excellent Heat enhanced Crimson Glass (B) 2.0mm Enhanced Heat Glass

Safety Level & Warranty

Safety Level	Class II
Warranty	10-year product materials and workmanship guarantee 30-year linear power output guarantee*
Power Warranty	

The attenuation is 1% in the first year, the annual attenuation from the next year shall not be higher than 0.375%, and the attenuation shall not be lower than 88% in the 30th year.



Package

Pieces/Pallet	24 Pieces
Weight/Pallet	330Kg