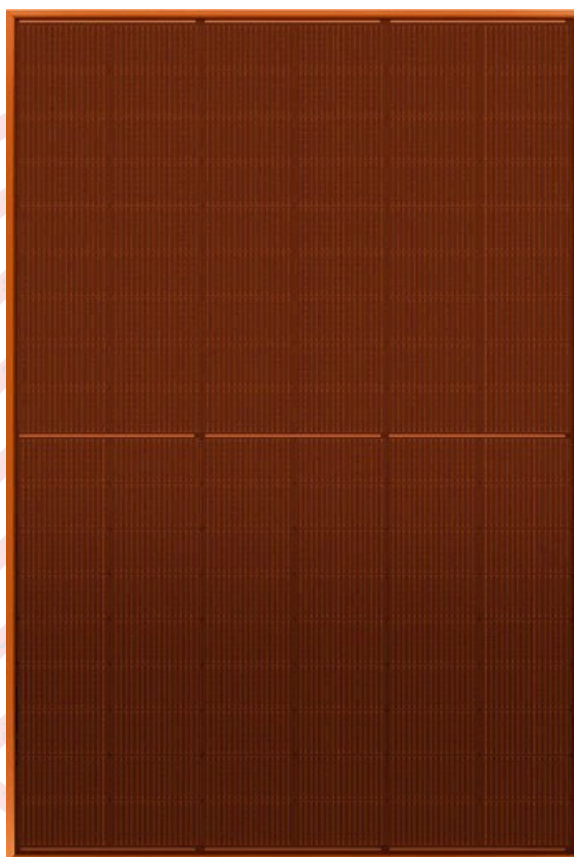


TOPCon N type Mono-Crystalline Terra Cotta

Pmax: 400W

0~+3% POWER TOLERANCE

High efficiency TOPCon N - type solar module



Module characteristics



Stronger Mechanical Strength

Pass the wind load test of 2400pa and the snow load test of 5400pa



Hail resistance

Pass the hail test with diameter of 45mm according to IEC 61215



PID resistance

The attenuation probability of PID phenomenon is minimized through solar cell production technology optimization and robust raw material quality control.



Low attenuation rate

Good reliability and lower LID/LETID attenuation rate.



MBB and Half cell technique

More light utilization and current collection capabilities, effectively improving product power output and reliability



Harsh environmental adaptation

Robust design for demanding climate conditions.



Long and reliable quality assurance

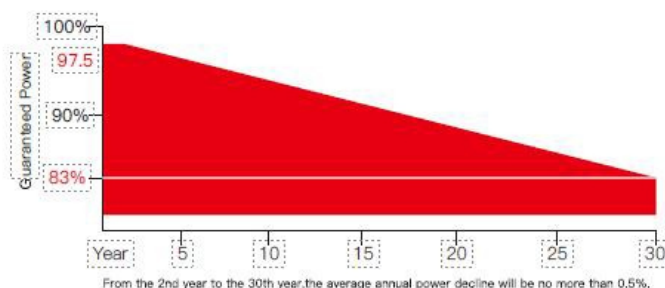
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality management system

ISO14001:2015: Environmental management system

ISO45001:2018: Occupational health and safety management system

30 years material and workmanship warranty;
30 years power linear warranty



Electrical Parameters

Model Type	ESM-400 Terra Cotta	
	STC	NOCT
Maximum Power (Pmax)	400	316
Open Circuit Voltage (Voc)	33.25	32.97
Short Circuit Current (Isc)	12.03	9.59
Maximum Power Voltage (Vmp)	39.10	38.70
Maximum Power Current (Imp)	12.66	10.12
Module Efficiency - η_m (%)	20	
Operational Temperature	-40°C~+85°C	
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0~+3%	
Temperature Coefficient of Pmax	-0.310%/°C	
Temperature Coefficient of Voc	-0.260%/°C	
Temperature Coefficient of Isc	+0.046%/°C	
Nominal Operating Cell Temperature	45±2°C	
Safety Class	Class II	
Max Load (Front/back)	5400pa/2400pa	

STC: Irradiance 1000W/m²
NOCT: Irradiance 800W/m²

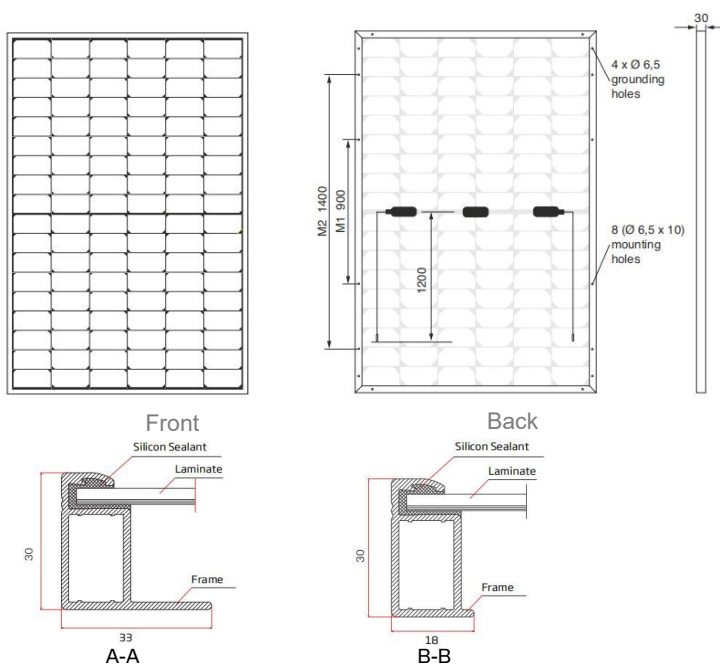
Cell temperature 25°C

Atmospheric quality =1.5

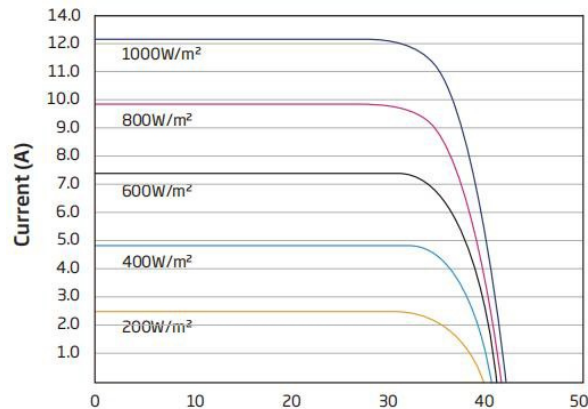
Ambient temperature 20°C Atmospheric quality =1.5

Wind speed 1m/s

Mechanical Diagrams



Curve



Packing Details

36pcs/pallet;

40HQ:26 pallets/40HQ, 936pcs/40HQ;

384pcs/20GP

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Factory: Building No.4, Qingxi Industrial Park, Qingxi Town, Hanshan County, Ma'anshan City, Anhui Province, China

Specification

Cell type Mono-crystalline 182x93.4mm

Half-cell quantity 108pcs (6×18)

Dimension 1722×1134×30mm

Weight 21kg

Glass 3.2mm tempered; Terra cotta Colored

Frame Terracotta Anodized Aluminum Alloy

Junction Box IP68

Cable 300mm (can be customized)

The company reserves the right of final right of adjustment of this file.