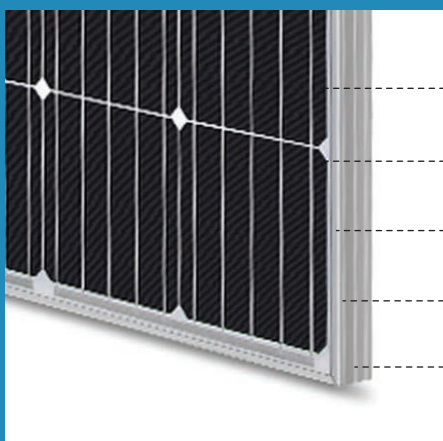
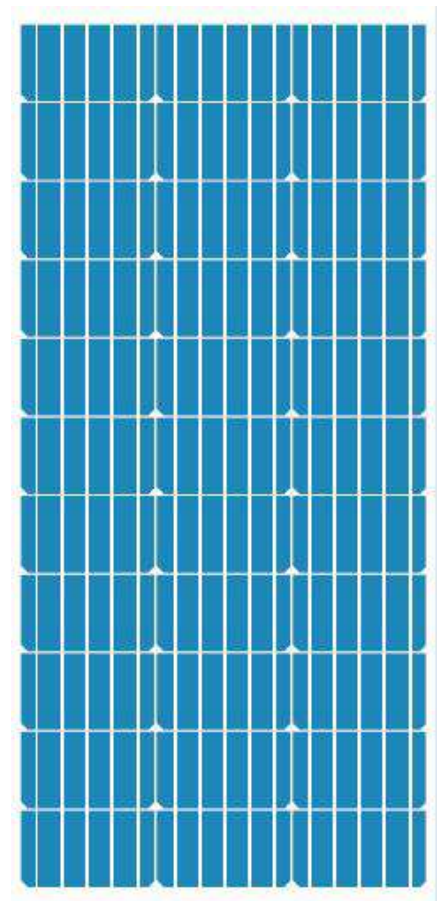


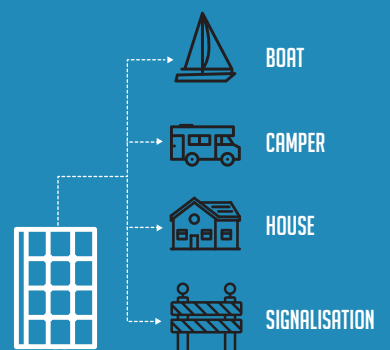
SOLAR PANEL

12V MONOCRYSTALLIN

- 12V MONOCRYSTALLIN SOLAR PANEL WITH HIGHLY EFFICIENT CELLS
- THEIR MULTI-LAYER STRUCTURE ENSURES EXCEPTIONAL OUTPUT, EVEN UNDER WEAK LIGHT OR EXTREME HEAT.
- THE ANTI-HOT SPOT SYSTEM PROTECTS THE PANEL AGAINST OVERVOLTAGE CELLS THAT CAN FUNCTION EVEN WHEN THE CELLS ARE COVERED (SHADOWS)
- THEIR HIGHLY TRANSMISSIBLE TEMPERED GLASS AND THE ANODIZED ALUMINIUM FRAME PRESERVE THEM FROM EXTERNAL DAMAGE (IMPACTS, OXIDATION, CORROSION).

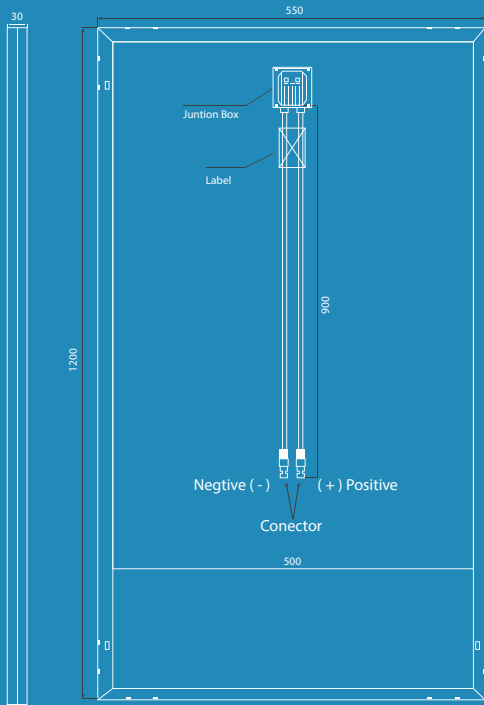


- TEMPERED GLASS, HIGH TRANSMISSIBILITY
- EVA RESIN 0,45MM
- FRAME (ANODISED ALUMINIUM)
- 5BB (5 BUSBARS)
- ULTRA RAPID CONNECTORS MC4

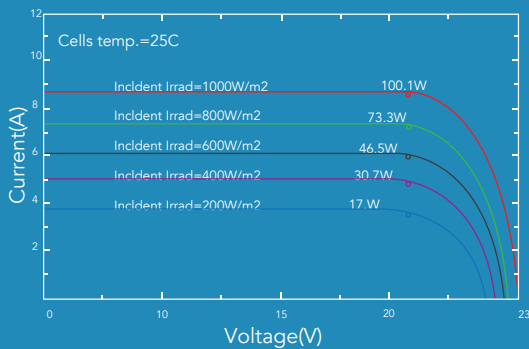


PRODUCT SPECIFICATION

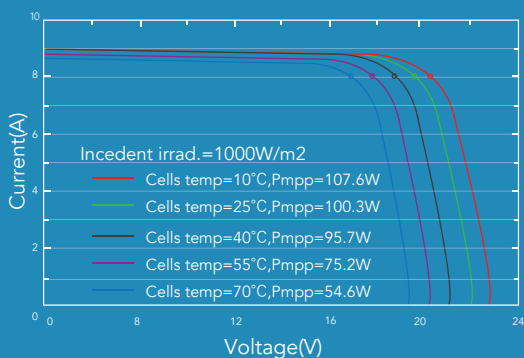
DIMENSIONS AND STRUCTURE



I-V CURVES AT DIFFERENT IRRADIANCE



I-V CURVES AT DIFFERENT TEMPERATURE



ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS (STC:AM=1.5, 1000W/M2, CELLS TEMPERATURE 25°C)

Typical type		105W	100W	
Max power (Pmax)		105	100	
Max power voltage (Vmp)		18.20	18.00	
Max power current (Imp)		5.77	5.55	
Open circuit voltage (Voc)		23.40	22.90	
Short circuit current (Isc)		5.68	5.56	
Module Efficiency (%)		15.91	15.15	
Max system voltage		DC 1000(TUV)		
Maximum Series Fuse Rating		15A		

MECHANICAL DATA

Dimensions	1200*540*30 mm
Weight	8.5kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm ² length 900 mm
Connectors	MC4 comootable ≥IP67
Cell type	Mono Cell 156.75*156.75 mm
Number of cells	36 cells in series

TEMPERATURE CHARACTERISTICS

Temp.Coeff.of Isc(TK Isc)	0.05% / °C
Temp.Coeff.of Voc(TK Voc) °C Temp.Coeff.of	(-0.32%) / °C
Pmax(TK Pmax)	(-0.41%) / °C
Operating temperature	(-40~+85%) °C
Normal operating cell temperature	45±2°C

PACKING CONFIGURATION

Container	20 GP	40 GP	40 HQ
Pieces per pallet	60	60	66
Pallets per container	12	28	28
Pieces per container	720	1680	1848

TESTS,CERTIFICATIONS

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	CQC,TUV,CE
Withstand extreme wind	Withstand extreme wind (1800 Pascal)
Snow loads testing	Snow loads (3600 Pascal)
Positive tolerance	0~+5W
Junction box	≥IP67