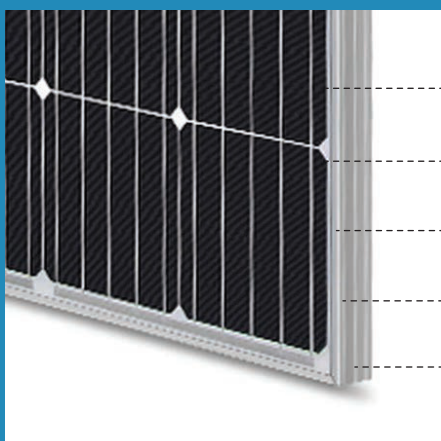
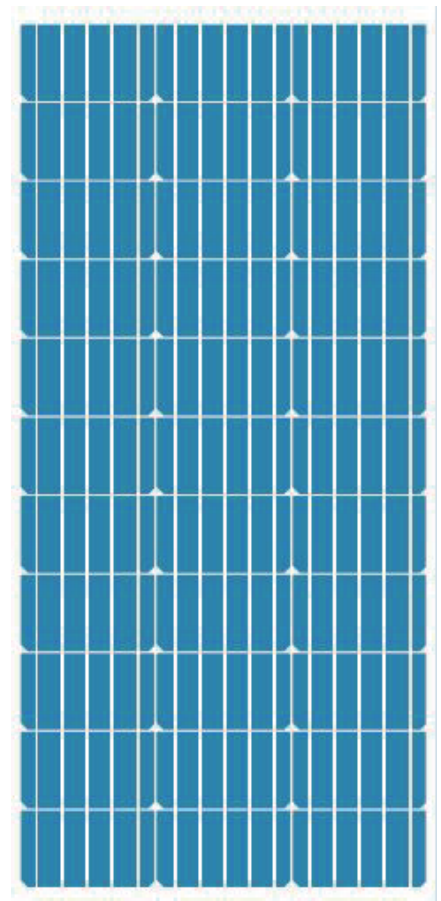


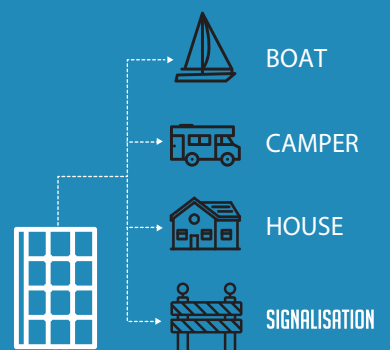
SOLAR PANEL

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).

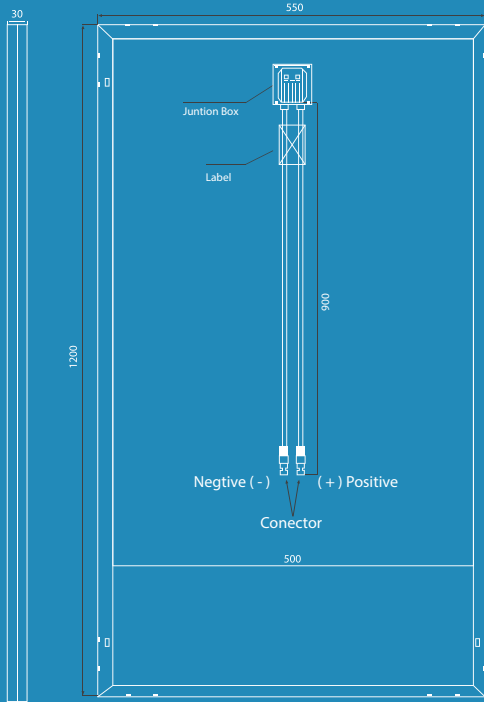


- TEMPERED GLASS, HIGH TRANSMISSIBILITY
- EVA RESIN 0,45MM
- FRAME (ANODISED ALUMINIUM)
- 5BB (5 BUSBARS)
- ULTRA RAPID CONNECTORS MC4



PRODUCT SPECIFICATION

DIMENSIONS AND STRUCTURE



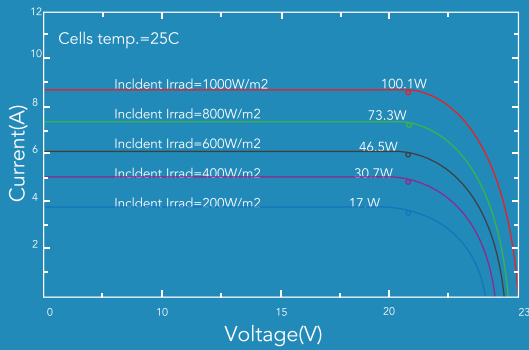
ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS (STC:AM=1.5, 1000W/M2, CELLS TEMPERATURE

| | | | | |
|-----------------------------|--|--------------|-------|--|
| 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 | | |

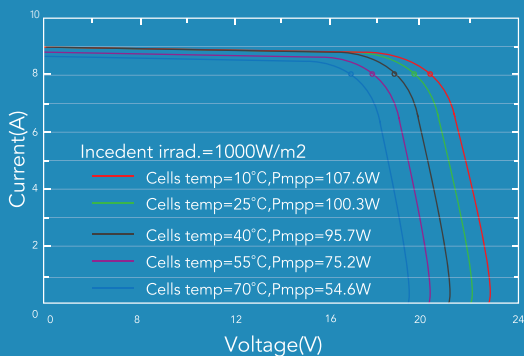
MECHANICAL DATA

| | |
|-----------------|---------------------------------|
| 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 compatible ≥IP67 |
| Cell type | Mono Cell 156.75*156.75 mm |
| Number of cells | 36 cells in series |

I-V CURVES AT DIFFERENT IRRADIANCE



I-V CURVES AT DIFFERENT TEMPERATURE



TEMPERATURE CHARACTERISTICS

| | |
|-----------------------------------|---------------|
| Temp.Coeff.of Isc(TK Isc) | 0.05% / °C |
| Temp.Coeff.of Voc(TK Voc) | (-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 |