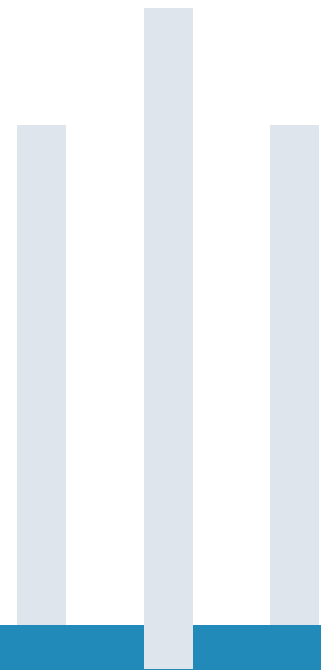


SOLAR PANEL

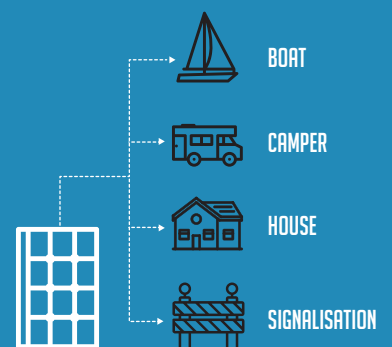
12V MONOCRYSTALLIN



- 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)



- ETFE SURFACE
- EVA RESIN 0,45MM
- 5BB (5 BUSBARS)
- ULTRA RAPID CONNECTORS MC4



PRODUCT SPECIFICATION

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

Typical type		160W
Max power (Pmax)		160
Max power voltage (Vmp)		18.81
Max power current (Imp)		8.51
Open circuit voltage (Voc)		22.56
Short circuit current (Isc)		9.02
Module Efficiency (%)		16.24
Max system voltage		DC 60(TUV)
Maximum Series Fuse Rating		10A

MECHANICAL DATA

Dimensions	1470*670*3mm
Weight	2.8kgs
Output cables	4 mm ² length 900 mm
Connectors	MC4 comoatible ≥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

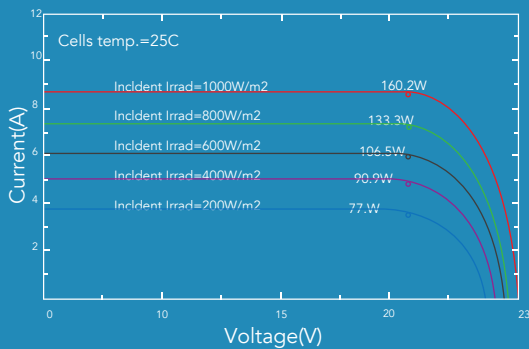
PACKING CONFIGURATION

Container	20 GP	40 GP	40 HQ
Pieces per pallet	90	90	90
Pallets per container	6	14	17
Pieces per container	540	1260	1530

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

I-V CURVES AT DIFFERENT IRRADIANCE



I-V CURVES AT DIFFERENT TEMPERATURE

