SOLAR PANEL

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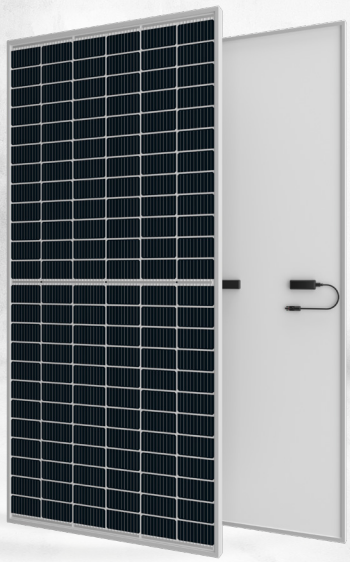
ISO 9001: 2015 CERTIFIED

Highlights



- Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
- Lower oxygen and carbon content result in lower LID.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical erformance, and improve the power generation capacity of whole system.
- Cutting solar cell technology, which significantly reduces string current and module damage,it is good choice for projects in high temperature areas.

TECHNICAL SPECIFICATIONS

540W

Electrical performance parameters | STC

Power Output	Pmax(W)	540
Rated Power Maximum Voltage	Vmp(V)	40.80
Rated Power Maximum Current	Imp(A)	13.27
Open Circuit Voltage	Voc(V)	49.50
Short Circuit Current	Isc(A)	13.85
Module Efficiency	(%)	21.1
Power Tolerance	(W)	0~+5W

* STC : 1000W/m2 irradiance, 25° C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	408.8
Rated Power Maximum Voltage	Vmp (V)	37.82
Rated Power Maximum Current	Imp (A)	10.81
Open Circuit Voltage	Voc (V)	46.73
Short Circuit Current	Isc (A)	11.08

* NMOT:800W/m2 irradiance, 20° C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell Array Solar Cell	182MONO(Half Cell)
	144 pcs(6×24)
Module Dimension	2256×1133×35mm
Weight	27.5 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Junction Box	Anodized Aluminum Alloy
Frame	IP68 rated
Cable	4mm², L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

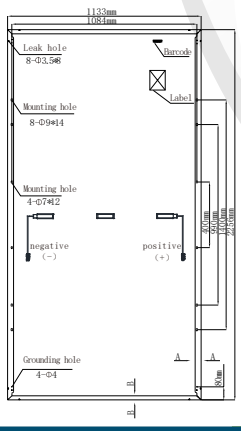
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2℃
Temperature Coefficient (Isc)	+0.06%/℃
Temperature Coefficient (Voc)	-0.35%/℃
Temperature Coefficient (Pmax)	-0.38%/℃

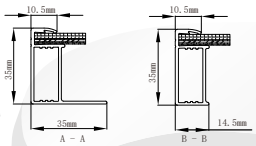
Maximum Ratings

Working Temperature	-40~+85℃
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A

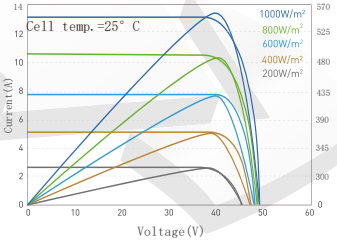
Module Dimension



Back View



I-V curves/P-V curves of module under different irradiation(540w)



I-V curves of module under different temperature(540w)