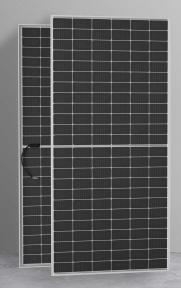


550 Watts

Bi-facial Solar Panel

- ✓ New M10 Cells
- ✓ PERC
- √ 10 Busbars
- ✓ Half-Cells✓ Only 29 kg

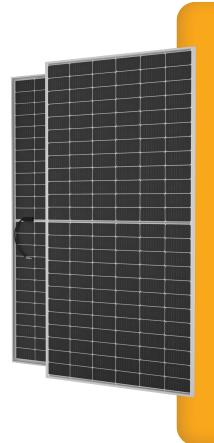


Renewable Power

Enjoy Green Life







Bi-Facial Mono-crystalline 550W Solar Panel

Our latest innovative 550W bifacial solar panel is among the best solar panels for off-grid and commercial applications thanks to its bifacial design, it can provide over 700W of power.

Featuring premium Grade A+ monocrystalline solar cells, PERC technology, half-cut cells, and 10 busbars, this panel ensures exceptional efficiency and output.

Experience superior performance and reliability with our monocrystalline solar panel solution.













Applications

Off-Grid Systems | Residential | Commercial | Industrial | Lightning System | Solar Power Plants

Certifications











Key Features



Module's Cell Efficiency up to 23%



Lower Internal Resistance Loss



Less Partial Shading Current Mismatch Loss so More Power Output



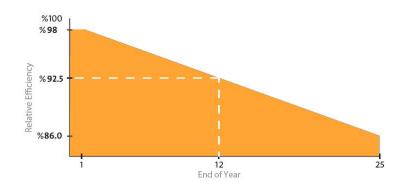
Lower Micro-crack Problem Loss Comparing with 5-busbar Module



Lower Degradation PERC Technology



Better Temperature Coefficients Come From Half-cell Design





12 Year Product Warranty

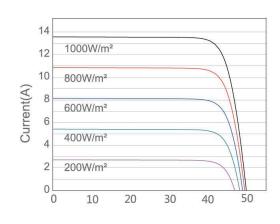


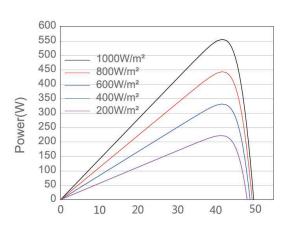
25 Year Linear Power Warranty



Only - 0.5% Annual Degradation

I-V CURVES





ELECTRICHAL CHARACTERESTIC

POWER AT STC	550 W
Short Circuit Current - Isc (A)	13.69
Maximum Power Current - Impp (A)	13.05
Open Circuit Voltage - Voc (V)	50.25
Maximum Power Voltage - Vmpp (V)	42.19
Module Efficiency - η΄ (%)	21.3%
Bifaciality Ratio (%)	65±5%

Values at Standard Test Conditions STC (Air Mass AM 1.5, Irradiance 1000 W/m², Cell Temperature 25°C).

MATERIAL CHARACTERESTIC

Characteristics	Value
Cells per Module	144 (72 x 2)
Cell Type	Grade A - Mono PERC Crystalline Silicon/10 BB 182x91mm
Front Surface	3.2mm Tempered AR Coated Glass
Encapsulant	PID Free EVA
Back Cover	Transparent Backsheet
Frame	Anodized Aluminum (Black/Silver)
Junction Box	IP68 , 3 Bypass Diodes
Cable Length	Cables Length Could be 300mm, or 1200mm With Original MC4 Connector
Fire Classification	Туре І

THERMAL CHARACTERESTIC

Operating Temperature Range (°C)

PHYSICAL CHARACTERESTIC

Characteristics	Value		Characteristics	Value	
Open Voltage Temperature Coefficient VOC (%/C°)	-0.22		Dimensions (mm inch)	2277±1 x 1133±1 x 35 mm 89.6 X44.6 X 1.37 inch	
Short Circuit Current Temperature Coefficient ISC (%/C°)	+0.05		Weight (kg lbs)	29 ± 1kg 63.94 lbs	
Power Temperature Coefficient PMP (%/C°)	-0.35		Packaging	Value	
NOCT (°C)	45±2		Modules per Pallet	31	
OPERATING CONDITIONS			40 Feet High-Cube Container	620 Modules	
Maximum Sytem Voltage - Vmax (V) 1500			Mechanical Load**	Value	
Maximum Series Fuse (A)		25		Max Static load (Front)	5400 Pa

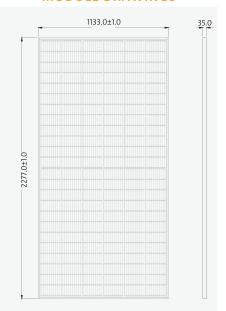
- Power measuring tolerance: ± 3%, other measurements tolerances: ± 5%.
- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.

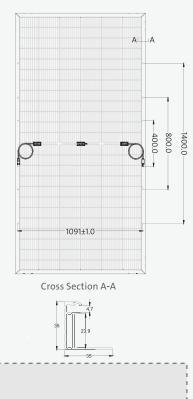
IEC: -40 to +85

UL: -40 to +90

** Caution: For professional use only, the installation and handling of PV modules and cleaning modules require professional skills and should only be performed by qualified professionals, please read the Installation and Operation Manual before using the modules, also Cleaning Guidelines

MODULE DRAWINGS





Max Static load (Back)

Dynamic load

2400 Pa

1000 Pa