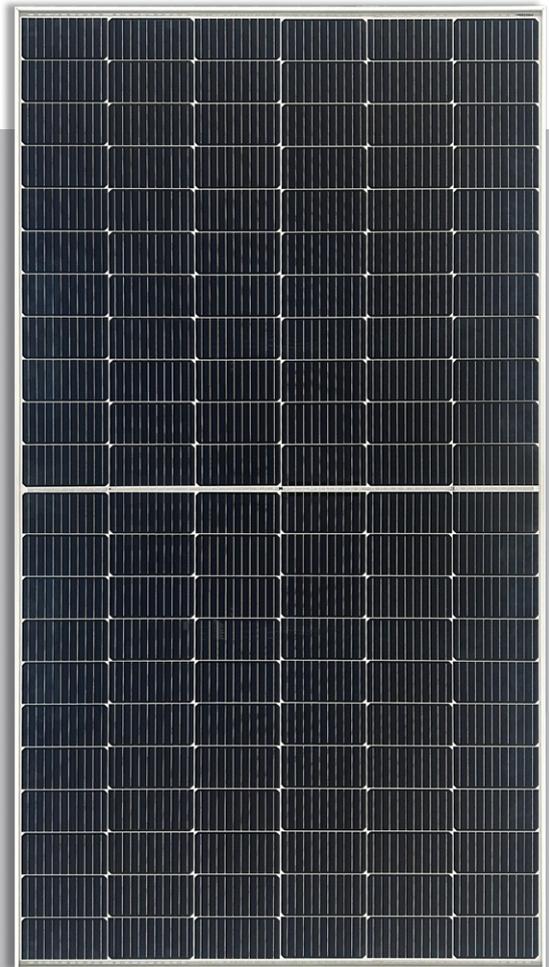


Monocrystalline Solar Panel

490W-495W-500W-505W

TIGER

Series



High-efficiency solar cells to maintain solar panel efficiency at 21.27%.



Lower LID attenuation.



Excellent performance under weak light conditions.



Excellent temperature coefficient characteristics.



Premium materials ensure reliability.



100% EL testing ensures top quality.



Extreme environment durability certified by TUV.



Custom specifications available.

■ Product Details



- Anodized aluminum frame withstands corrosion and damage.
- Special drainage openings reduce damage from freezing water.



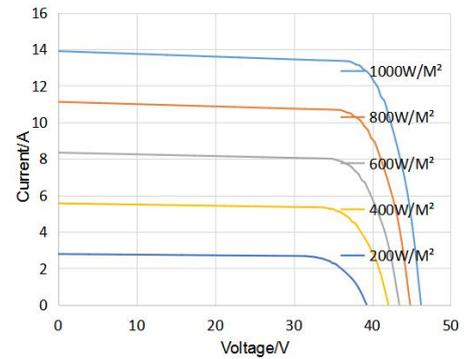
- IP67 junction box for long-term weather endurance.



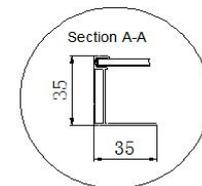
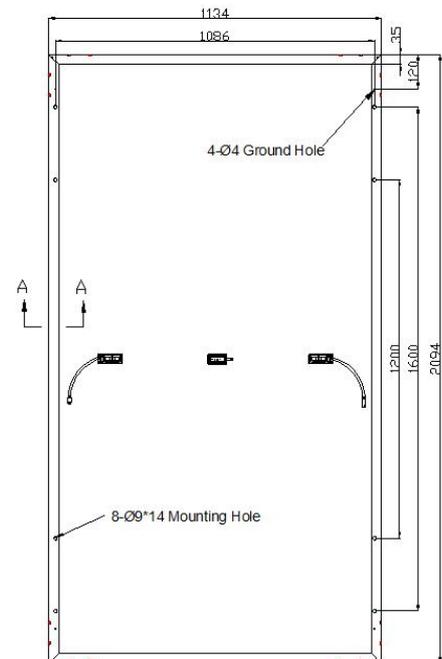
Electrical Characteristics

Model No.	SW490M	SW495M	SW500M	SW505M
Maximum power (Pmax)	490W	495W	500W	505W
Max-power voltage (Vmp)	37.15V	37.29V	37.60V	37.95V
Max-power current (Imp)	13.19A	13.28A	13.30A	13.31A
Open-circuit voltage (Voc)	43.84V	44.0V	44.36V	44.78V
Short-circuit current (Isc)	13.98A	14.07A	14.09A	14.11A
Module efficiency	20.64%	20.85%	21.05%	21.27%
Operating temperature	-40°C~+85°C			
Maximum system voltage	1500Vdc			
Maximum series fuse rating	25A			
Power tolerance	±3%			
*STC condition: 1000 W/m ² , 1.5AM and 25°C cell temperature.				

I-V Curve



Dimensions



Temperature Characteristics

NOCT	46°C±2°C
Temperature co-efficient of Pmax	-0.36%/°C
Temperature co-efficient of Voc	-0.28%/°C
Temperature co-efficient of Isc	0.048%/°C

Mechanical Characteristics

Mono power	490W/495W/500W/505W
Cell type	monocrystalline
Cell arrangement	132(6*22)
Dimensions	2094*1134*35mm
Weight	26.3kg
Front cover	3.2mm tempered glass
Frame material	anodized aluminium alloy
Junction box	IP67 rated
Output cables	4mm ² , length: (+) 300mm/ (-) 300mm

Packing

Container	40'HC
Pieces/Pallet	31
Pieces/Container	682

Warranty

- 25 years of linear power warranty.
- 10 years workmanship warranty.

ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 certified manufacturer.

