

Monocrystalline Solar Panel

525W-530W-540W-550W

LION

Series



High-efficiency solar cells to maintain solar panel efficiency at 21.28%.



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.



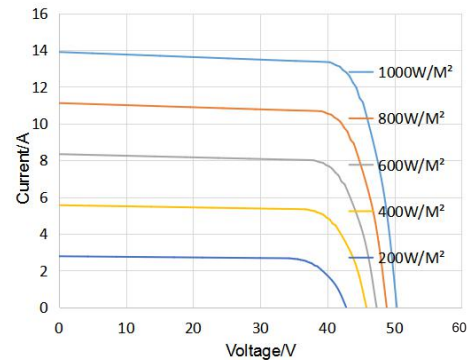
- IP67 junction box for long-term weather endurance.



■ Electrical Characteristics

Model No.	SW525M	SW530M	SW540M	SW550M
Maximum power (Pmax)	525W	530W	540W	550W
Max-power voltage (Vmp)	40.68V	40.87V	41.13V	41.51V
Max-power current (Imp)	12.91A	12.97A	13.13A	13.25A
Open-circuit voltage (Voc)	48.01V	48.22V	48.53V	48.98V
Short-circuit current (Isc)	13.68A	13.73A	13.89A	14.01A
Module efficiency	20.31%	20.51%	20.89%	21.28%
Operating temperature	-40℃~+85℃			
Maximum system voltage	1500Vdc			
Maximum series fuse rating	30A			
Power tolerance	±3%			
*STC condition: 1000 W/m²,1.5AM and 25℃ cell temperature.				

I-V Curve



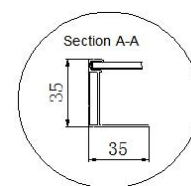
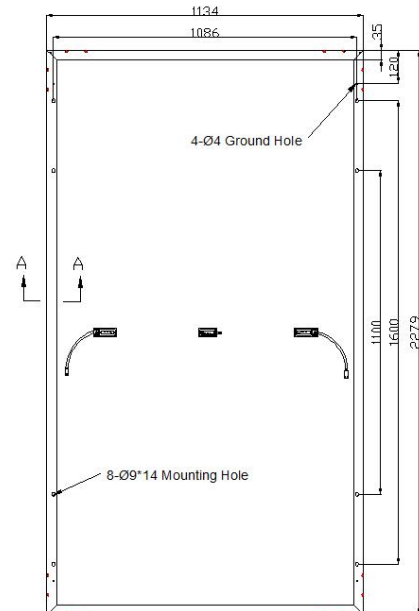
■ Temperature Characteristics

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

■ Mechanical Characteristics

Mono power	525W/530W/540W/550W
Cell type	monocrystalline
Cell arrangement	144(6*24)
Dimensions	2279*1134*35mm
Weight	28.6kg
Front cover	3.2mm tempered glass
Frame material	anodized aluminium alloy
Junction box	IP67 rated
Output cables	4mm²,length: (+) 300mm/ (-) 300mm

Dimensions



■ Packing

Container	40'HC
Pieces/pallet	31
Pieces/container	620

■ Warranty

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

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

