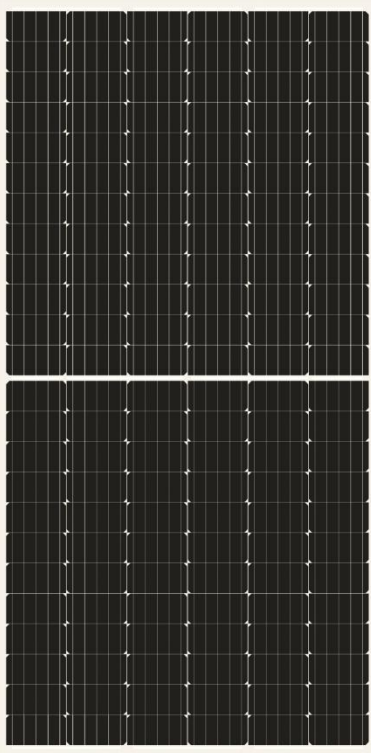


# PWSOLAR

## 550W (182\*182)

### MONOCRYSTALLINE MODULE



#### ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 21.28% by using innovative Half-cell design and Multi-busbar(MBB) cell technology.
- ◆ Low temperature coefficient and excellent performance under high temperature and low light conditions.
- ◆ Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- ◆ High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- ◆ Potential induced degradation (PID) resistance.
- ◆ Power tolerance of  $\pm 5\%$ .

#### ELECTRICAL CHARACTERISTICS AT STC

Model	PW550Wp-144M
Maximum Power ( $P_{max}$ )	550W
Power Tolerance	$\pm 5\%$
Open Circuit Voltage (VOC)	49.80V
Short Circuit Current (ISC)	13.99A
Voltage at Nominal Power ( $V_{mp}$ )	41.60V
Current at Nominal Power ( $I_{mp}$ )	13.23A
Size of Module	2279 x 1134 x 35mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25°C , & AM :1.5G spectrum
Maximum system voltage	1500VDC
Operating temperature	- 40°C to +85°C
Module Efficiency	21.28%

#### ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 $\pm$ 2°C
Voltage temperature coefficient( $V_{oc}$ )	-0.330%/°C
Current temperature coefficient I sc)	+0.058%/°C
Power temperature coefficient( $P_{mpp}$ )	-0.400%/°C
Minimum power tolerance	+/-10%
NOCT	45 $\pm$ 2°C



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## MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline (182*182)
Number of cell	144pcs (72 x 2)
Size of Module	2279 x 1134 x 35mm
Weight	About 29.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm <sup>2</sup> (0.006inches <sup>2</sup> ), 1400mm
Connector	MC4 or MC4 compatible

## MODULE WARRANTY

25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output; 12-year limited warranty of materials and workmanship.

## PACKING

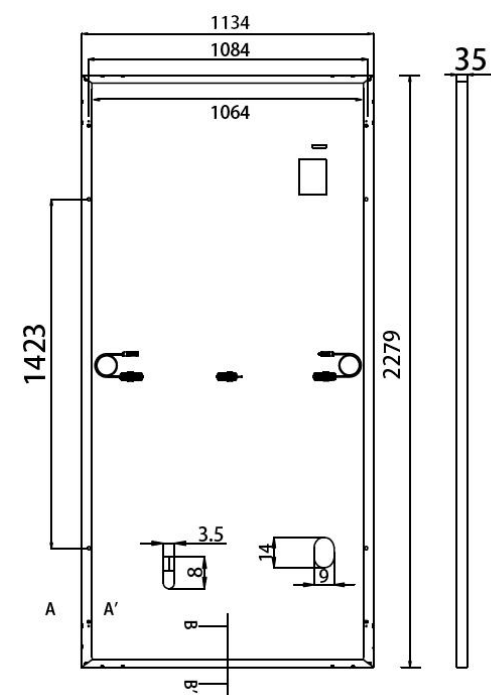
Standarding Packing: 31pcs/Pallet

Module Quantity of 20' container: 270pcs

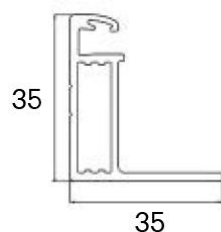
Module Quantity of 40' container: 620pcs

## ENGINEERING DRAWING

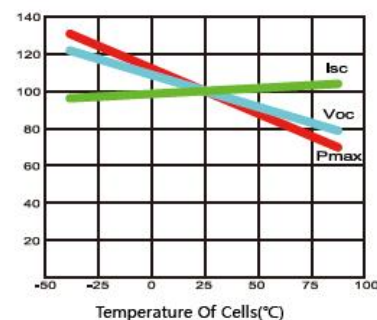
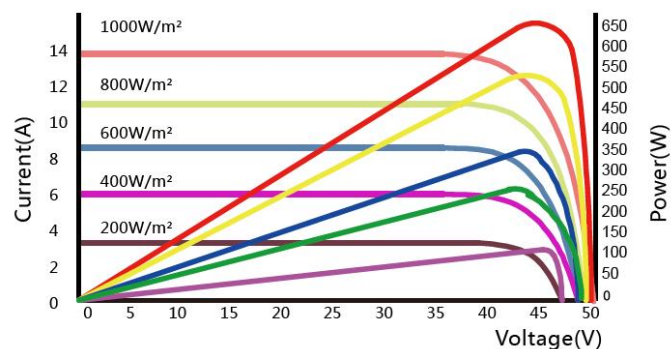
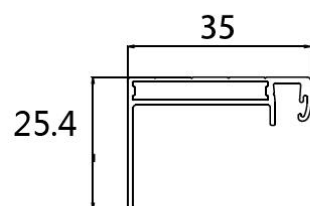
## IV CURVES



Frame Cross Section A-



Frame Cross Section B-B'



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