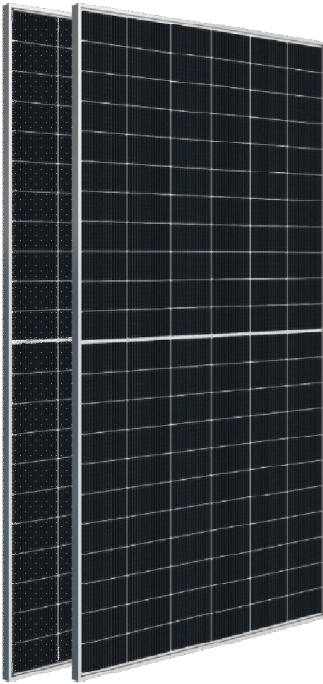


PWSOLAR

800W Bifacial Topcon

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 25.75% 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 module 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 $\pm 3\%$.

ELECTRICAL CHARACTERISTICS AT STC

Model	PWDG800Wp-132M
Maximum Power (P_{max})	800W
Power Tolerance	$\pm 3\%$
Open Circuit Voltage (VOC)	51.10V
Short Circuit Current (ISC)	19.34A
Voltage at Nominal Power (V_{mp})	44.22V
Current at Nominal Power (I_{mp})	18.09A
Size of Module	2384 x 1303 x 33mm
Standard Test condition	Irradiance: 1000W/M ² Temp: 25 °C , & AM : 1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Efficiency	25.75%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 +/- 2°C
Voltage temperature coefficient (Voc)	-0.330%/°C
Current temperature coefficient (I _{sc})	+0.058%/°C
Power temperature coefficient (P _{mp})	-0.400%/°C
Minimum power tolerance	+/- 10%
NOCT	45 +/- 2°C



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MECHANICAL CHARACTERISTICS

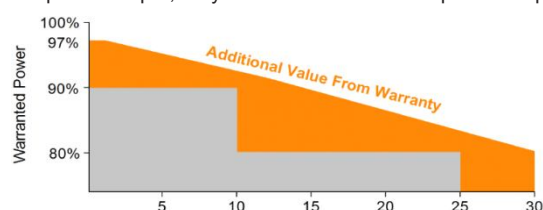
Cell Type	Monocrystalline (210*105)
Number of cell	132pcs (6x 22)
Size of Module	2384 x 1303 x 33mm
Weight	About 36.50kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable	4mm ² (0.006inches ²),Positive: 300mm, Negative: 200mm Length can be customized
Connector	MC4orMC4compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)

MODULE WARRANTY

12 year limited product; limited linear power warranty: 12 year 91.20% of nominal power output, 30 year 80.60% of nominal power output.

20 years product warranty; 30 years linear power output

- Linear performance warranty from PWSOLAR
- Standard performance warranty



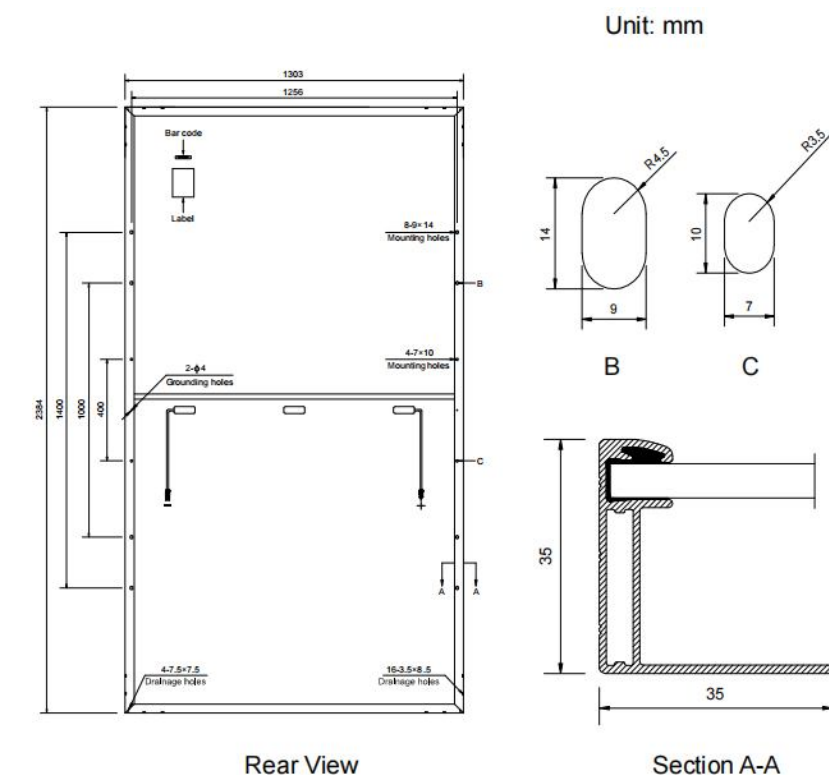
PACKING

Standard Packing: 36pcs/Pallet

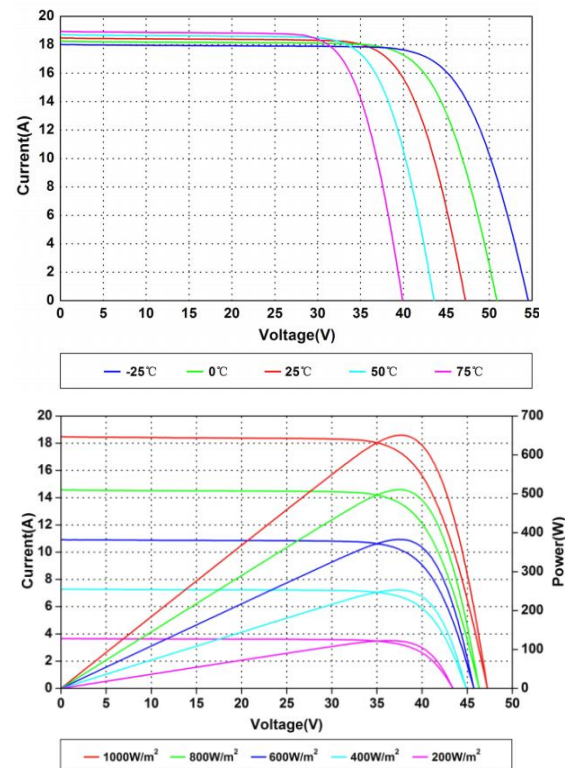
Module Quantity of 20' container: 240pcs

Module Quantity of 40' container: 612pcs

ENGINEERING DRAWING



IV CURVES



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Specifications in this data sheet are subject to change without prior notice