

PWSOLAR

585W Bifacial TopCon

DOUBLE GLASS MONO MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 22.64% 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 $\pm 3\%$.

ELECTRICAL CHARACTERISTICS AT STC

Model	PWDG585Wp-144M
Maximum Power (P_{max})	580W
Power Tolerance	$\pm 3\%$
Open Circuit Voltage (VOC)	52.50V
Short Circuit Current (ISC)	13.95A
Voltage at Nominal Power (V_{mp})	43.92V
Current at Nominal Power (I_{mp})	13.32A
Size of Module	2279 x 1134 x 30mm
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	22.64%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 \pm 2°C
Voltage temperature coefficient(V_{oc})	-0.33%/°C
Current temperature coefficient (I_{sc})	+0.058%/°C
Power temperature coefficient(P_{mpp})	-0.400%/°C
Minimum power tolerance	\pm 10%
NOCT	45 \pm 2°C



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MECHANICAL CHARACTERISTICS

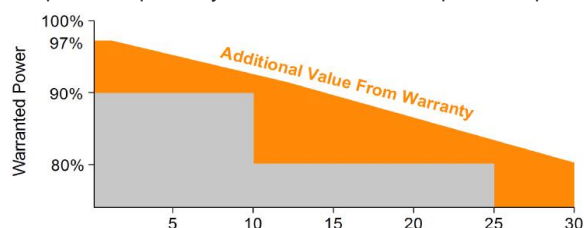
Cell Type	Monocrystalline (182*182)
Number of cell	144pcs (72 x 2)
Size of Module	2279 x 1134 x 30mm
Weight	About 31.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm ² (0.006inches ²), 1400mm
Connector	MC4 or MC4 compatible

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 warranty

- Linear performance warranty from PWSOLAR
- Standard performance warranty



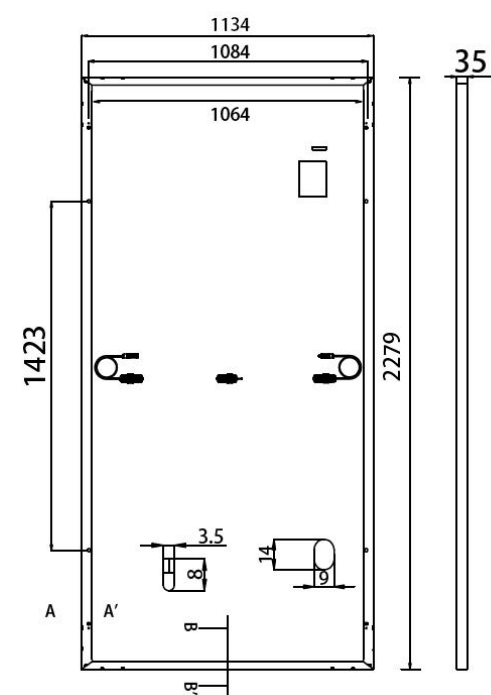
PACKING

Standarding Packing: 31pcs/Pallet

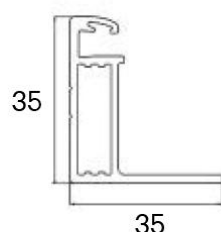
Module Quantity of 20' container: 300pcs

Module Quantity of 40' container: 720pcs

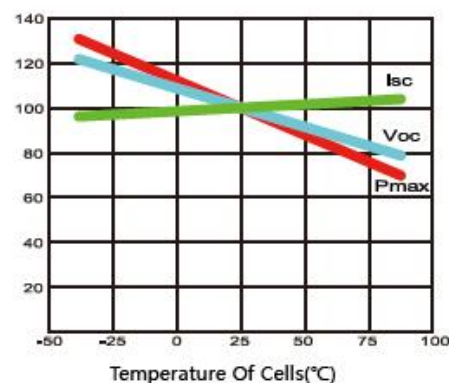
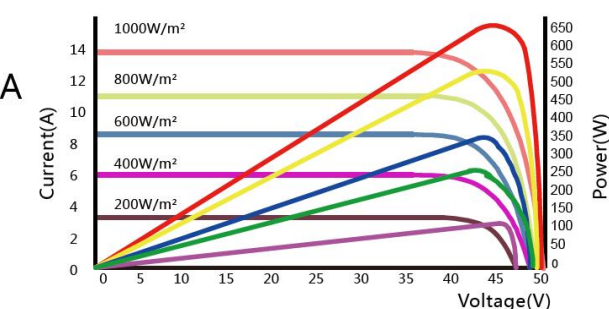
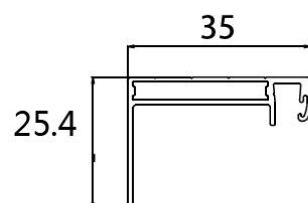
ENGINEERING DRAWING



Frame Cross Section A-A



Frame Cross Section B-B



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