

PWSOLAR

40% 150W Double Glass

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 9.40% 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.
- ◆ Positive power tolerance of 0 ~ +5w.

ELECTRICAL CHARACTERISTICS AT STC

Model	PWDG150Wp-56M
Maximum Power (P _{max})	150W
Power Tolerance	0 ~ + 5W
Open Circuit Voltage (VOC)	22.80V
Short Circuit Current (ISC)	8.60A
Voltage at Nominal Power (V _{mp})	18.40V
Current at Nominal Power (I _{mp})	8.15A
Size of Module	1658 x 992 x 6mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25° C , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	40°C to +85°C
Module Efficiency	9.40%

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(Pmpp)	-0.400%/°C
Minimum power tolerance	+/-10%
NOCT	45 +/- 2°C



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MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline
Number of cell	36pcs (4 x 9)
Size of Module	1658 x 992 x 6mm
Weight	About 23.00kgs
Front Glass	2.5mm Semi tempered coated glass
Interlayer	EVA/POE/PVB
Back Glass	2.5mm Semi tempered coated glass
Frame	No Frame
Junction Box	IP67, 3 diodes
Cable	4mm ² (0.006inches ²), 900mm
Connector	MC4 or MC4 compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)

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.

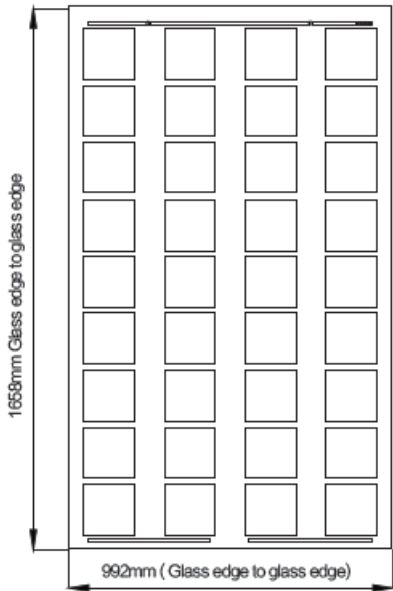
PACKING

Standarding Packing: 36pcs/Pallet Module Quantity of 20' container: 456pcs Module Quantity of 40' container: 936pcs

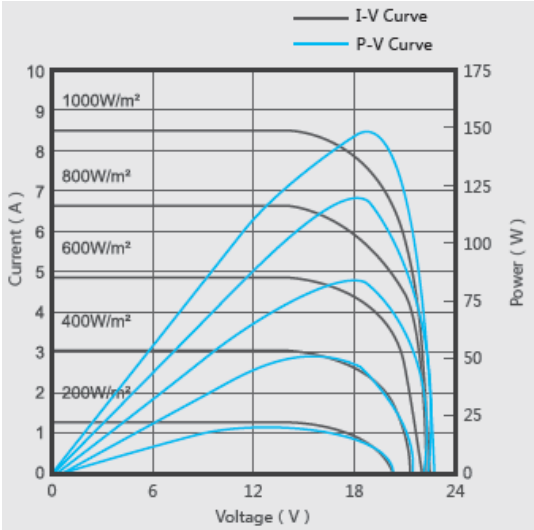
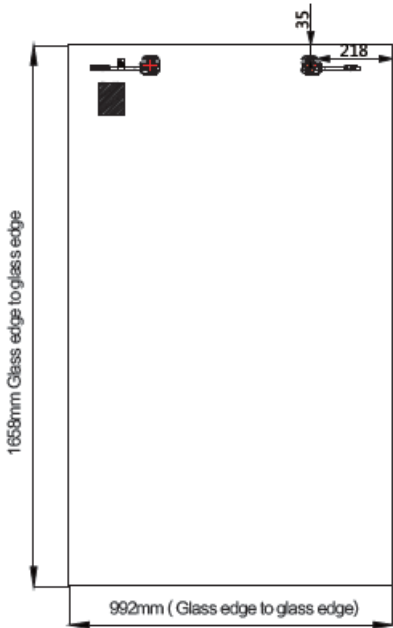
ENGINEERING DRAWING

IV CURVES

Front View



Back View



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Specifications in this datasheet are subject to change without prior notice