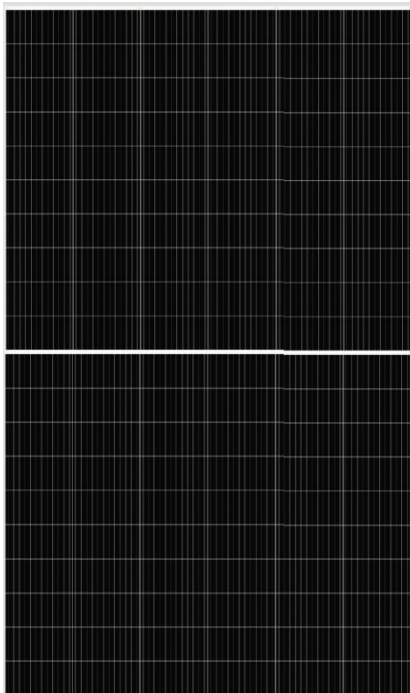


PWSOLAR

420W 132 cells series

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 20.69% 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	PW420Wp-132M
Maximum Power (P_{max})	420W
Power Tolerance	$\pm 5\%$
Open Circuit Voltage (VOC)	48.00V
Short Circuit Current (ISC)	12.84A
Voltage at Nominal Power (V_{mp})	39.80V
Current at Nominal Power (I_{mp})	10.55A
Size of Module	1925 x 1038 x 35mm
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	20.69%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 +/- 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 +/- 2°C



Room 101, No. 5 Building, No. 9 Haikou Road, Shinan District, Qingdao, China 266000
 0086 532 85872070 0086 155 6392 6558 WhatsApp 0086 138 6421 6496
 sales@pwsolarpower.com info@pwsolarpower.com www.pwsolarpower.com

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline
Number of cell	132pcs (6 x 22)
Size of Module	1925 x 1038 x 35mm
Weight	About 24.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable	4mm ² (0.006inches ²), Postive: 300mm, Negative: 200mm Length can be customized
Connector	MC4 or MC4 compatible
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

PACKING

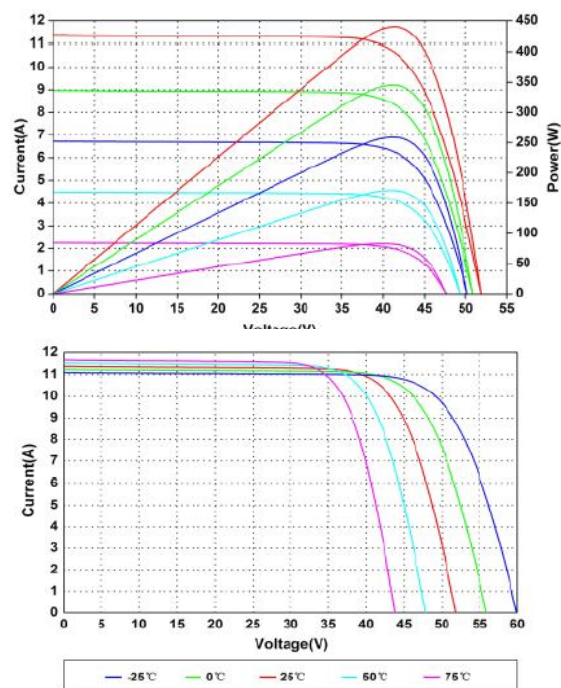
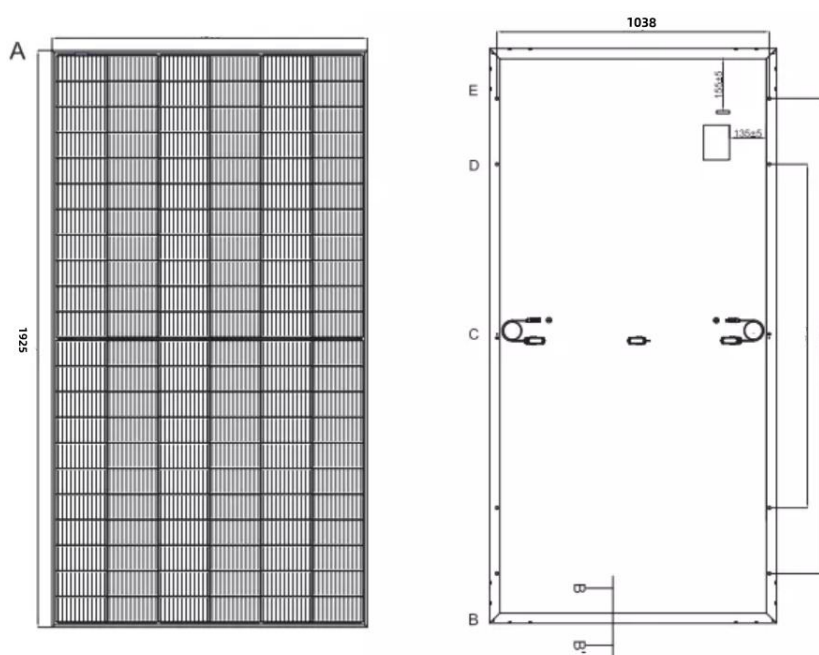
Standarding Packing: 30pcs/Pallet

Module Quantity of 20' container:300pcs

Module Quantity of 40' container: 740pcs

ENGINEERING DRAWING

IV CURVES



Room 101, No. 5 Building, No. 9 Haikou Road, Shinan District, Qingdao, China 266000

0086 532 85872070

0086 155 6392 6558

WhatsApp 0086 138 6421 6496

sales@pwsolarpower.com

info@pwsolarpower.com

www.pwsolarpower.com

Specifications in this datasheet are subject to change without prior notice