

# PWSOLAR

## 630W N Type Bifacial

### MONOCRYSTALLINE MODULE



#### ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 23.32% 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	PWDG630Wp-132M
Maximum Power ( $P_{max}$ )	630W
Power Tolerance	$\pm 3\%$
Open Circuit Voltage(VOC)	52.50V
Short Circuit Current(ISC)	17.58A
Voltage at Nominal Power ( $V_{mp}$ )	43.01V
Current at Nominal Power ( $I_{mp}$ )	14.65A
Size of Module	2382 x 1134 x 30mm
Standard Test condition	Irradiance: 1000W/M <sup>2</sup> Temp: 25°C , & AM : 1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Efficiency	23.32%

#### ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 $\pm$ 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	$\pm$ 10%
NOCT	45 $\pm$ 2°C



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Mechanical Characteristics

Cell Type	Mono N type
Number of cell	132pcs ( 6 x 22)
Size of Module	2382 x 1134 x 30mm
Weight	About 33.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable	4mm <sup>2</sup> (0.006inches <sup>2</sup> ),Positive : 300mm, Negative: 300mm/customized
Connector	MC4 or MC4compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)

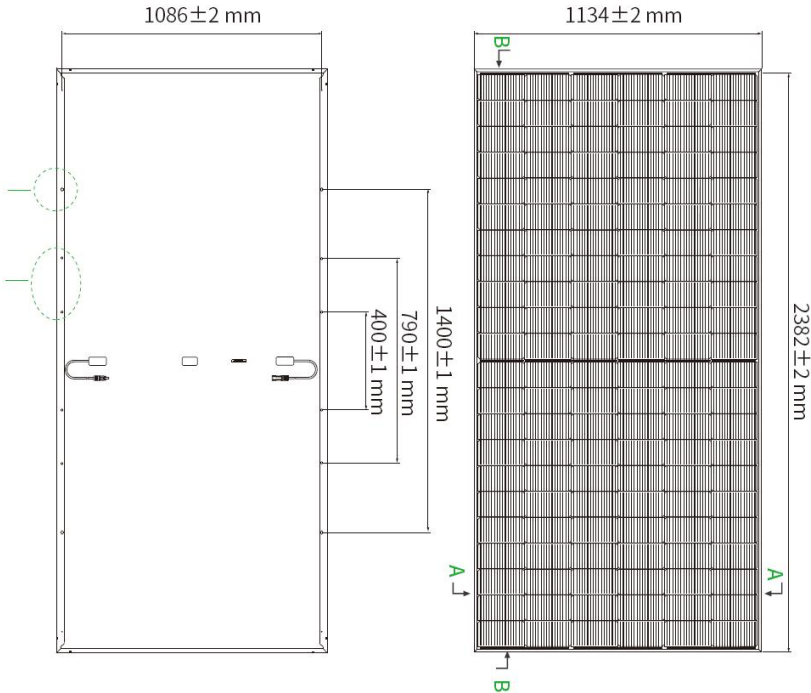
Module Warranty

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

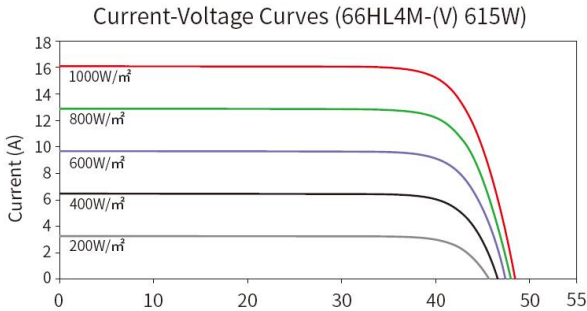
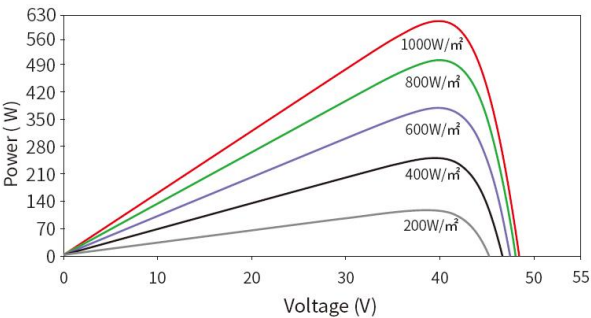
Packing

Standard Packing: 36pcs/Pallet      Module Quantity of 20' container: 150pcs      Module Quantity of 40' container: 720pcs

Engineering Drawing



IV Curves



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