

WP-XXX/G6-120H

Half-Cut Monocrystalline PERC Solar Module

Mono PERC Module

120 CELL

Power Output Range

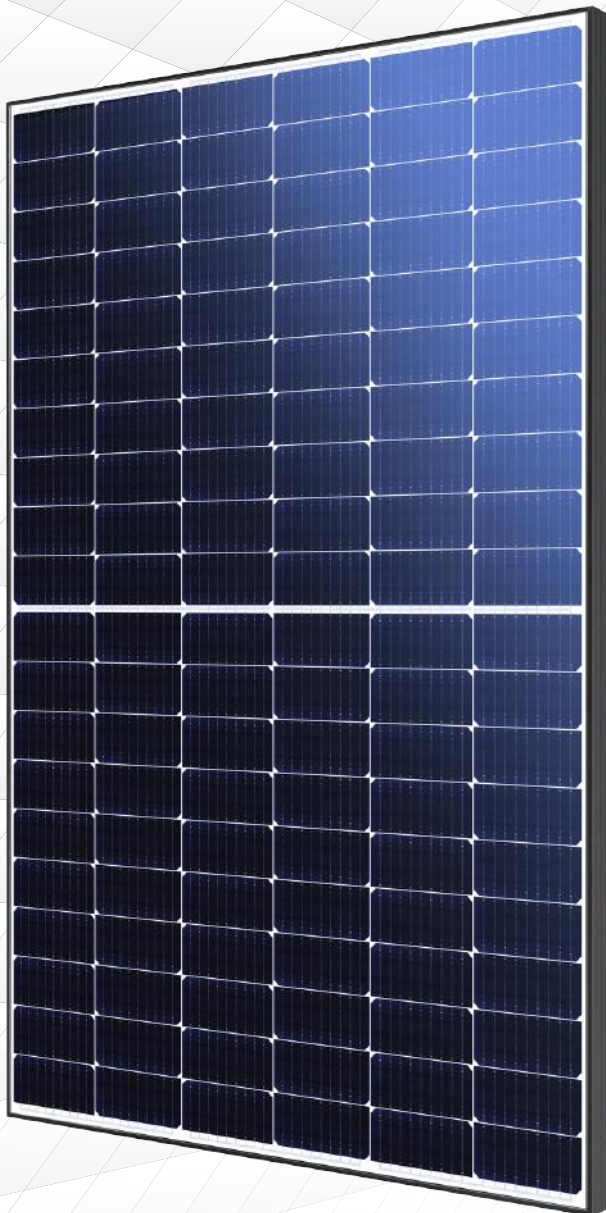
365-380 W

Maximum System Voltage

1500V DC

Maximum Efficiency

20.90%



OUTSTANDING PRODUCT PERFORMANCE

- Cutting-edge half cut technology
- High power output reaching 380W with module efficiency up to 20.90%
- Reduce hot spot risk and power loss with lower working temperature
- Low power loss under shading conditions



HIGH RELIABILITY DUE TO RIGOROUS QUALITY CONTROL

- Monitored and tested with strengthened quality control system
- PID Resistant
- 100% EL double inspection
- Positive tolerance guaranteed: 0-+5W



CERTIFIED TO STAND EXTREME WEATHER CONDITIONS

- 5400Pa snow load maximum
- 2400Pa wind load maximum

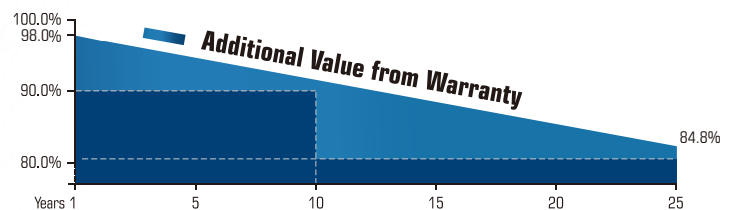


A BETTER INVESTMENT CHOICE

- Higher power output with up to 1500V DC design to bring higher energy yield, saving BOS cost
- Inclusive 12 years product warranty and 25 year performance warranty

CERTIFICATES

IEC61215, IEC61730
 ISO 9001:2015 Quality management system
 ISO 14001 Standards for environment management system
 OHSAS 18001 International standards for occupational health & safety

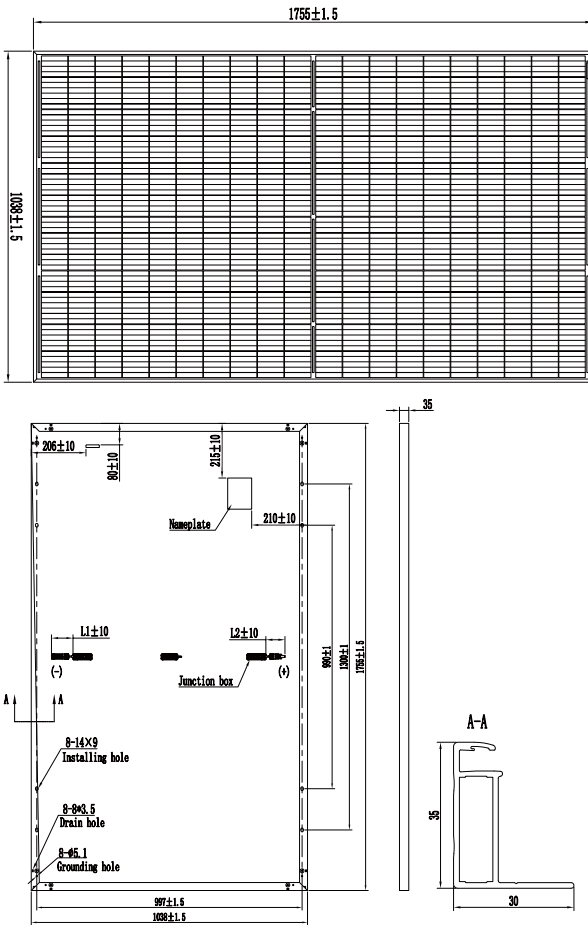


12-year Product Warranty

25-year Linear Performance Warranty



Module Dimension (mm)



Electrical Characteristics (STC*)

Power Class		365	370	375	380
Nominal Power (Pmax)	(W)	365	370	375	380
Voltage at Pmax (Vmp)	(V)	33.90	34.10	34.20	34.30
Current at Pmax (Imp)	(A)	10.77	10.86	10.98	11.90
Open Circuit Voltage (Voc)	(V)	41.30	41.50	41.60	41.70
Short Circuit Current (Isc)	(A)	11.63	11.72	11.85	11.98
Module Efficiency	(%)	20	20.3	20.6	20.9
Power Tolerance		0~+5W			

* Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Electrical Characteristics (NOCT*)

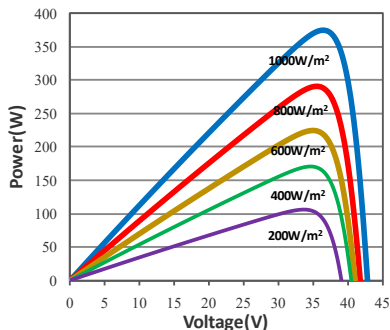
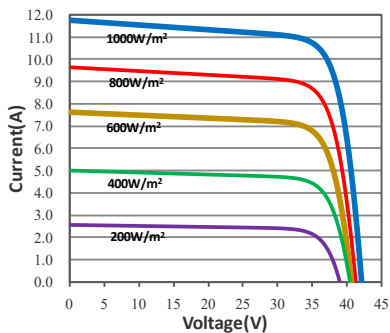
Power Class		365	370	375	380
Nominal Power (Pmax)	(W)	270	274	278	281
Voltage at Pmax (Vmp)	(V)	32.00	32.20	32.30	32.40
Current at Pmax (Imp)	(A)	8.44	8.51	8.61	8.67
Open Circuit Voltage (Voc)	(V)	39.00	39.20	39.30	39.40
Short Circuit Current (Isc)	(A)	9.39	9.46	9.57	9.67

*Irradiance of 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Characteristics

Number of Cells	120 cells (6×20)
Cell Type	Monocrystalline 166mm x 83mm
Dimensions of Module L*W*H (mm)	1755×1038×35mm
Weight (kg)	19.5
Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminium alloy
J-Box	IP68,3 Bypass Diodes
Cable	4mm ² (IEC), 1150mm
Wind/ Snow Load	2400Pa/ 5400Pa
Connector	MC4-EVO2 or Compatible

Current-Voltage Curve, WP-375/G6-120H



Temperature Characteristics

Nominal Operation Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficient of Isc	+0.049%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Pmax	-0.39%/°C

Design Characteristics

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V / 1500V DC(IEC)
Max Series Fuse Rating	15A
Application Classification	Class A
Module Fire Performance	Class C

Packing Information

Module per Pallet	31 pieces
Module per 40' container	806 pieces

*Wattpower reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.