



PNGMH60-B6(166) 370-385 Watt

HALF-CELL MBB MONO PERC



Key Features



Multi Busbar Solar Cell

Stronger current collection ability, Special circuit design with much lower hot spot temperature;



PID Resistant

Excellent PID resistance at 96 hours (85°C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment;



Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress;



Module efficiency up to 21.13%

Half cell structure brings low resistance characteristic, higher lifetime generating capacity, simultaneously lower annual power attenuation;



Low-Light Performance

Excellent power generation performance under Low-Light condition due to multi busbar; better shading response benefit from half cell module;

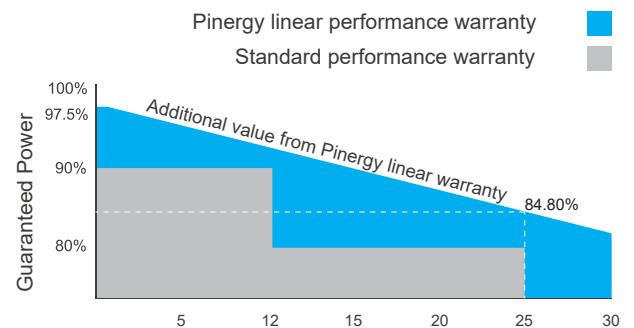


Strength and Durability

Certified for 5400Pa snow and 2400Pa Wind loads test;

Linear Performance Warranty

12 Years Product Warranty · 30 Years Linear Power Warranty



Certifications

- IEC 61215, IEC 61730, CE, CQC
- ISO9001: 2015: Quality management system
- ISO14001: 2015: Environmental management system
- ISO45001: 2018: Occupational health and safety management system



Electrical Specifications

Module Type: PNGMH60-B6-xxx , (xxx=Pmax)

Module Type	370		375		380		385	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	370	276	375	280	380	284	385	285
Voltage at Max. Power (Vmp/V)	34.4	32.0	34.6	32.2	34.8	32.4	35.0	32.3
Current at Max. Power (Imp/A)	10.76	8.63	10.84	8.69	10.92	8.76	11.00	8.82
Open circuit voltage (Voc/V)	40.9	38.3	41.1	38.5	41.3	38.7	41.5	38.7
Short circuit current (Isc/A)	11.52	9.32	11.60	9.38	11.69	9.45	11.77	9.49
Module efficiency (%)	20.31%		20.59%		20.86%		21.13%	
Power Tolerance (W)	0~+5							

Standard Test Condition (STC): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

Nominal Module Operating Temperature (NOCT): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

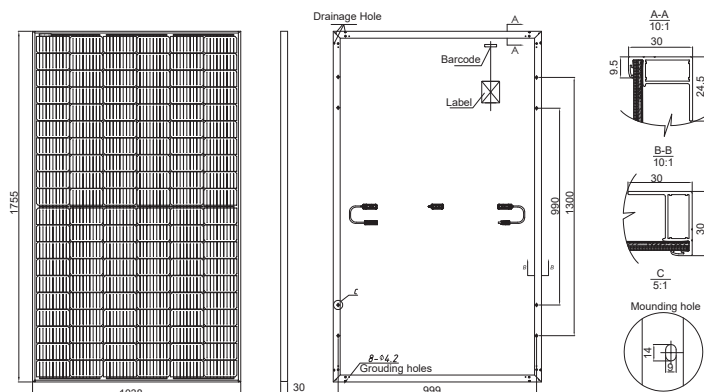
Mechanical Specifications

Cell Type	9BB MONO 166×83mm
No. of Cells	120 (6×20)
Dimension	1755x1038x35mm
Weight	19.8kg
Glass	3.2mm, Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Output Cables	4mm ² , Length 300mm or customized
Connector type	MC4 compatible

Packaging Configurations

Per Pallet	31 pcs
Per 40' HQ Container	806 pcs

Engineering Drawings



Temperature Characteristics

NOCT Temperature	44°C ±2°C
Temperature Coefficient (Pmax)	-0.36%/°C
Temperature Coefficient (Voc)	-0.28%/°C
Temperature Coefficient (Isc)	0.05%/°C

Maximum Ratings

Maximum system voltage (IEC)	1500V DC
Snow / Wind	5400Pa / 2400Pa
Operating Temperature	-40°C ~ +85°C
Maximum series fuse rating	20A

Curve & Temperature Dependence

