



## PNGMH60-DGB8(166)

### 365-380 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 20.89%

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;

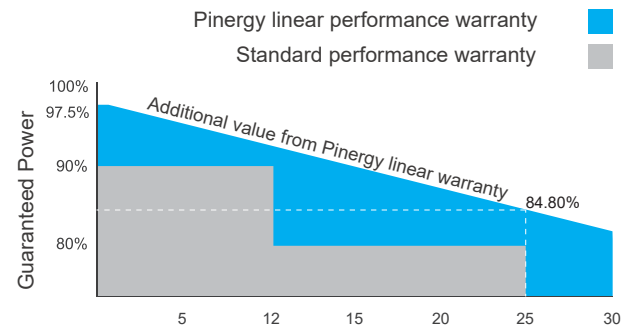


#### Strength and Durability

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-DGB8-xxx,(xxx=Pmax)

Module Type	365		370		375		380	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	365	273	370	276	375	280	380	284
Voltage at Max. Power (Vmp/V)	34.2	31.8	34.4	32.0	34.6	32.2	35.5	32.3
Current at Max. Power (Imp/A)	10.68	8.56	10.76	8.63	10.84	8.69	11.00	8.82
Open circuit voltage (Voc/V)	40.7	38.2	40.9	38.3	41.1	38.5	41.5	38.7
Short circuit current (Isc/A)	11.43	9.25	11.52	9.32	11.60	9.38	11.69	9.45
Module efficiency (%)	20.00%		20.31%		20.59%		20.89%	
Power Tolerance (W)	0~+5							

Standard Test Condition (STC): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, AM1.5

Nominal Module Operating Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, AM1.5, Wind Speed 1m/s

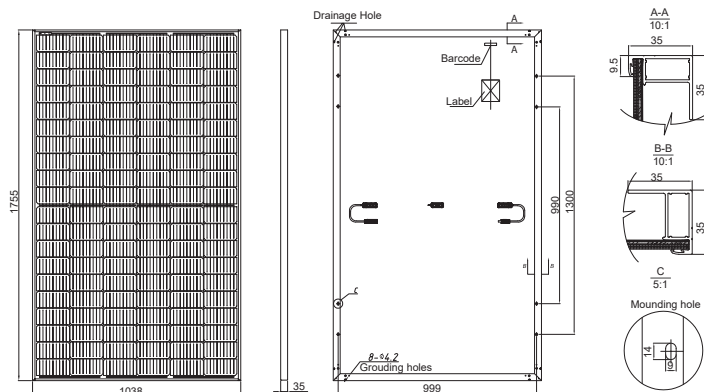
## Mechanical Specifications

Cell Type	9BB MONO 166×83mm
No. of Cells	120 (6×20)
Dimension	1755x1038x35mm
Weight	24.0kg
Glass	Dual glass,2.0mm coated tempered glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Output Cables	4mm <sup>2</sup> , 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

