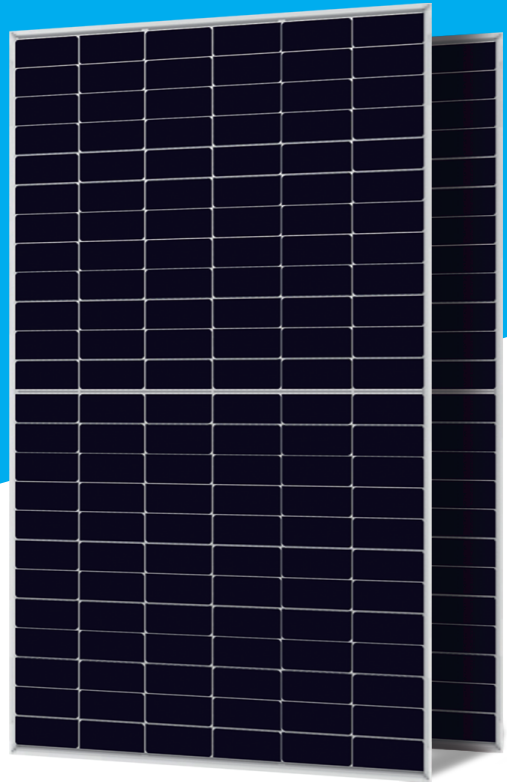




## PNGBH72-B8(182) 585-600 Watt

HPBC



### Key Features



#### No 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 23.2%

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;

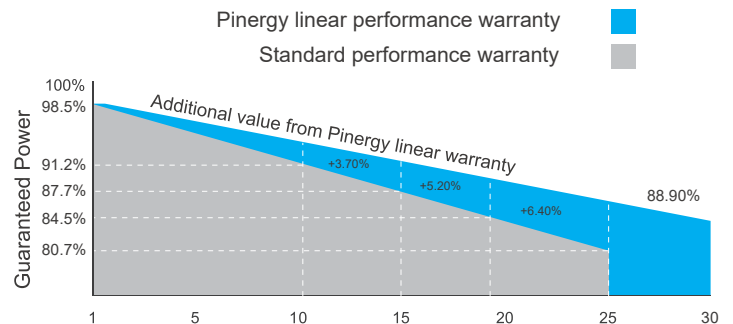


#### Strength and Durability

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

### Linear Performance Warranty

15 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: PNGBH72-B8-xxx , (xxx=Pmax)

Module Type	585		590		595		600	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	585	437	590	441	595	445	600	448
Voltage at Max. Power (Vmp/V)	44.21	40.34	44.36	40.48	44.51	40.62	44.66	40.75
Current at Max. Power (Imp/A)	13.24	10.84	13.31	10.90	13.37	10.97	13.44	11.00
Open circuit voltage (Voc/V)	52.36	49.16	52.51	49.30	52.66	49.44	52.81	49.58
Short circuit current (Isc/A)	14.27	11.52	14.33	11.57	14.40	11.63	14.46	11.68
Module efficiency (%)	22.6%		22.8%		23.0%		23.2%	
Power Tolerance (W)	0~+3							

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

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

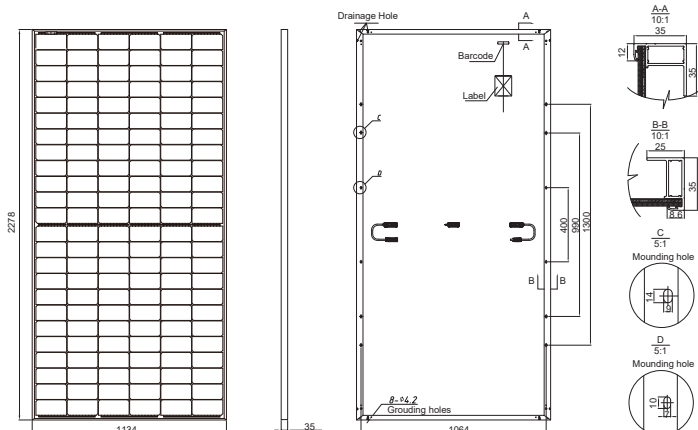
## Mechanical Specifications

Cell Type	182×91mm
No. of Cells	144 (6×24)
Dimension	2278x1134x35mm
Weight	27.5kg
Glass	Single glass,3.2mm coated tempered glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Output Cables	4mm <sup>2</sup> , Length ±1400mm or customized
Connector type	MC4 compatible

## Packaging Configurations

Per Pallet	31 pcs
Per 40' HQ Container	620 pcs

## Engineering Drawings



## Temperature Characteristics

NOCT Temperature	45°C ±2°C
Temperature Coefficient (Pmax)	-0.29%/°C
Temperature Coefficient (Voc)	-0.23%/°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	25A

## Curve & Temperature Dependence

