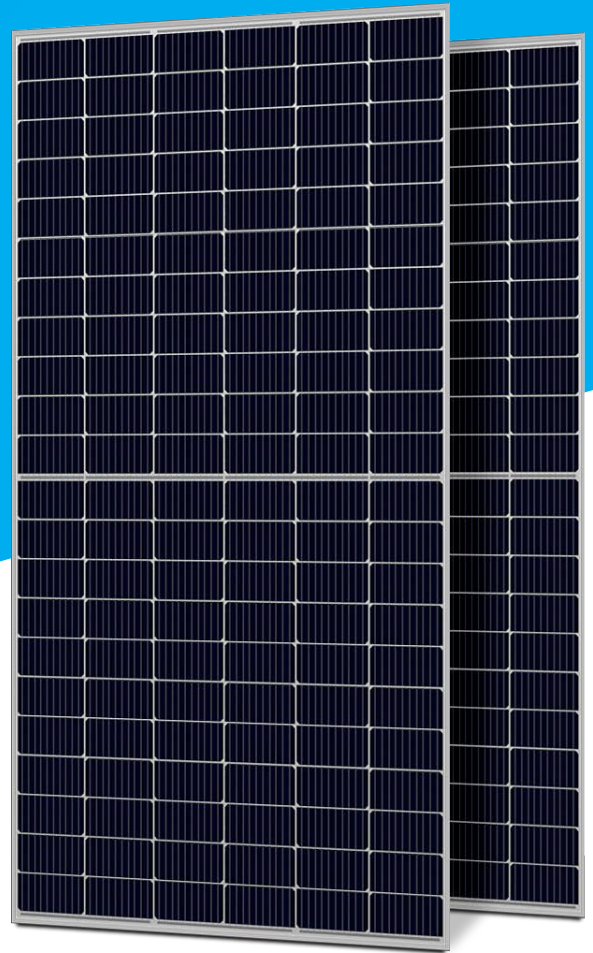




## PNGNH66-DGB8(182) 600-625 Watt

HALF-CELL MBB MONO PERC Bifacial



### 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 23.14%

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;

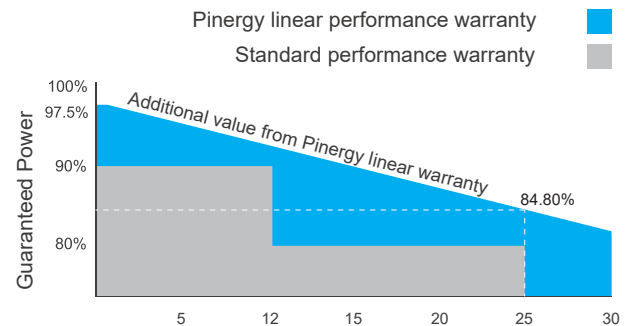


#### Strength and Durability

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: PNGNH66-DGB8-xxx , (xxx=Pmax)

Module Type	600		605		610		615		620		625	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	600	457	605	461	610	464	615	468	620	472	625	476
Voltage at Max. Power (Vmp/V)	40.05	38.06	40.25	38.25	40.45	38.44	40.65	38.63	40.85	38.82	41.05	39.01
Current at Max. Power (Imp/A)	14.98	12.00	15.03	12.04	15.08	12.08	15.13	12.12	15.18	12.16	15.23	12.20
Open circuit voltage (Voc/V)	47.92	45.54	48.12	45.73	48.32	45.92	48.52	46.11	48.72	46.30	48.74	46.49
Short circuit current (Isc/A)	15.87	12.75	15.92	12.79	15.97	12.83	16.02	12.97	16.07	13.01	16.12	13.05
Module efficiency (%)	22.21%		22.40%		22.58%		22.77%		22.95%		23.14%	
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

## Bifacial Output-rearside Power Gain

5%	Maximum power (Pmax)	630	635.25	640.50	645.75	651.00	656.25
	Module Efficiency STC (%)	23.32%	23.52%	23.71%	23.91%	24.10%	24.29%
15%	Maximum power (Pmax)	690	695.75	701.50	707.25	713.00	718.75
	Module Efficiency STC (%)	25.54%	25.76%	25.97%	26.18%	26.40%	26.61%
25%	Maximum power (Pmax)	750	756.25	762.50	768.75	775.00	781.25
	Module Efficiency STC (%)	27.77%	28.00%	28.23%	28.46%	28.69%	28.92%

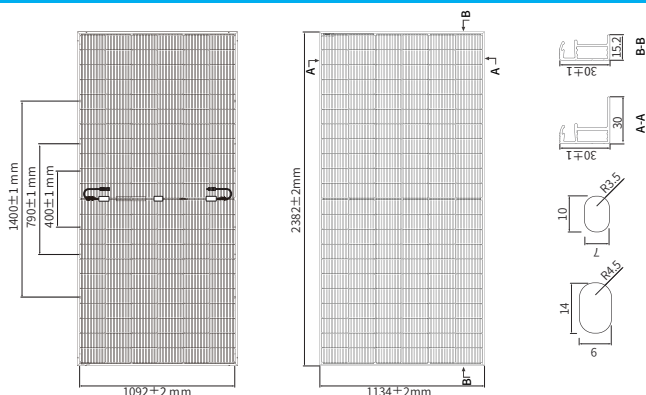
## Mechanical Specifications

Cell Type	182×91mm
No. of Cells	132 (6×22)
Dimension	2382x1134x30mm
Weight	32.4kg
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	36 pcs
Per 40' HQ Container	720 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	35A

## Curve & Temperature Dependence

