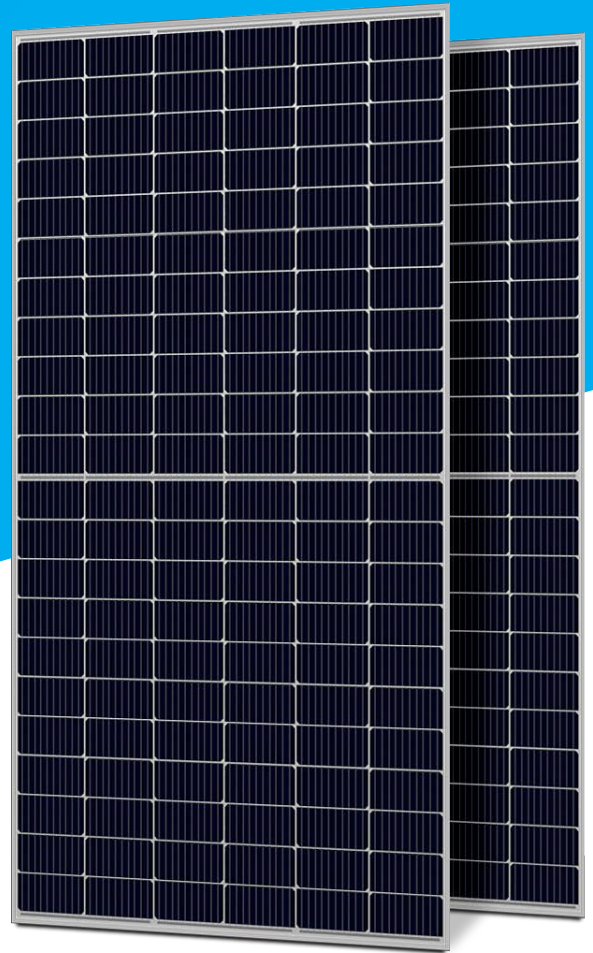




PNGNH66-DGB8(182) 600-625 Watt

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 23.1%

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;

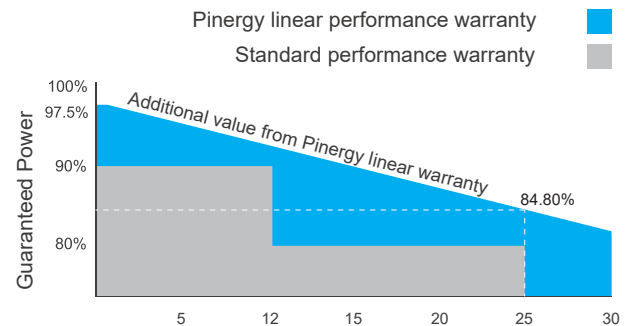


Strength and Durability

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	453	605	457	610	461	615	464	620	468	625	472
Voltage at Max. Power (Vmp/V)	40.16	37.60	40.31	37.76	40.46	37.92	40.60	38.10	40.74	38.25	40.88	38.44
Current at Max. Power (Imp/A)	14.94	12.05	15.01	12.10	15.08	12.15	15.15	12.19	15.22	12.24	15.29	12.28
Open circuit voltage (Voc/V)	48.28	45.86	48.48	46.05	48.68	46.24	48.88	46.43	49.08	46.62	49.28	46.81
Short circuit current (Isc/A)	15.84	12.79	15.90	12.83	15.96	12.88	16.02	12.93	16.08	12.98	16.14	13.03
Module efficiency (%)	22.2%		22.4%		22.6%		22.8%		23.0%		23.1%	
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

Bifacial Output-rearside Power Gain

5%	Maximum power (Pmax)	630	635.25	640.5	645.75	651	656.25
	Module Efficiency STC (%)	23.31%	23.52%	23.73%	23.94%	24.15%	24.25%
15%	Maximum power (Pmax)	690	695.75	701.5	707.25	713	718.75
	Module Efficiency STC (%)	25.53%	25.76%	25.99%	26.22%	26.45%	26.56%
25%	Maximum power (Pmax)	750	756.25	762.5	768.75	775	781.25
	Module Efficiency STC (%)	27.75%	28.00%	28.25%	28.5%	28.75%	28.78%

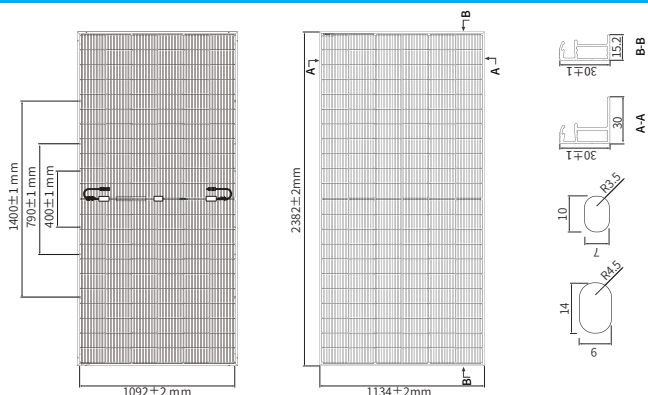
Mechanical Specifications

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 ² , 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

