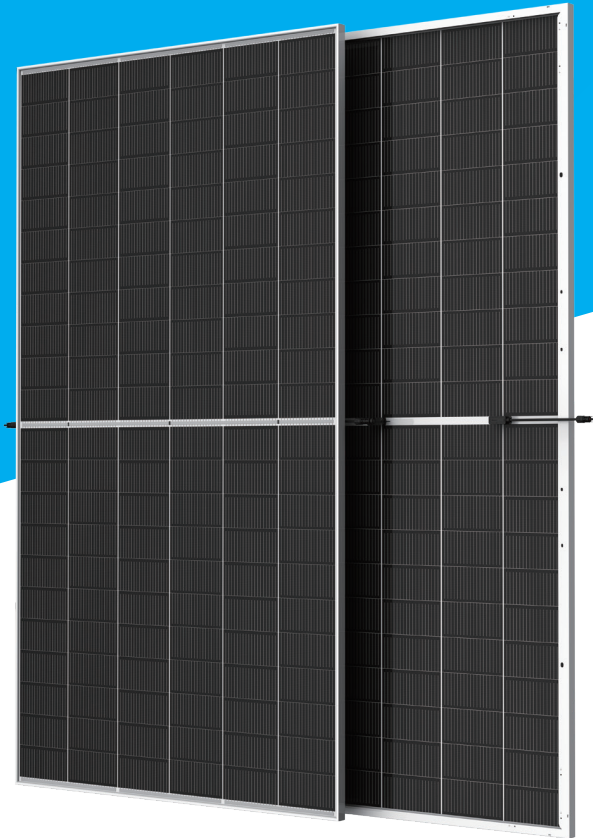


PNGNH66-DGBX(210)

695-720 Watt

N-type BIFACIAL MODULE



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 23.2%

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;

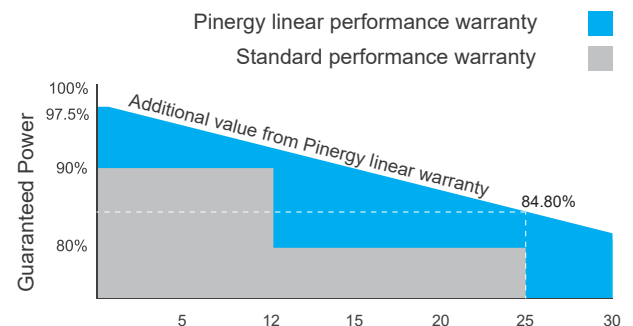


Strength and Durability

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

Linear Performance Warranty

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-DGBX-xxx, (xxx=Pmax)

Module Type	695		700		705		710		715		720	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	695	531	700	534	705	540	710	543	715	547	720	551
Voltage at Max. Power (Vmp/V)	40.3	37.9	40.5	38.0	40.7	38.3	40.9	38.5	41.1	38.7	41.3	38.8
Current at Max. Power (Imp/A)	17.25	14.00	17.29	14.04	17.33	14.08	17.36	14.12	17.40	14.14	17.44	14.19
Open circuit voltage (Voc/V)	48.3	45.9	48.6	46.1	48.8	46.3	49.0	46.5	49.2	46.7	49.4	46.9
Short circuit current (Isc/A)	18.28	14.72	18.32	14.76	18.36	14.80	18.40	14.83	18.44	14.86	18.49	14.90
Module efficiency (%)	22.4%		22.5%		22.7%		22.9%		23.0%		23.2%	
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

Electrical Characteristics With Different Power Bin (Reference To 10% Irradiance Ratio)

Maximum Power-Pmp (W)	765	770	776	781	787	792
Maximum Power Voltage (Vmp/V)	40.3	40.5	40.7	40.9	41.1	41.3
Maximum Power Current (Imp/A)	18.98	19.02	19.06	19.10	19.14	19.18
Open Circuit Voltage (Voc/V)	48.3	48.6	48.8	49.0	49.2	49.4
Short Circuit Current (Isc/A)	20.11	20.15	20.20	20.24	20.28	20.34
Irradiance Ratio (Rear/Front)	10%					

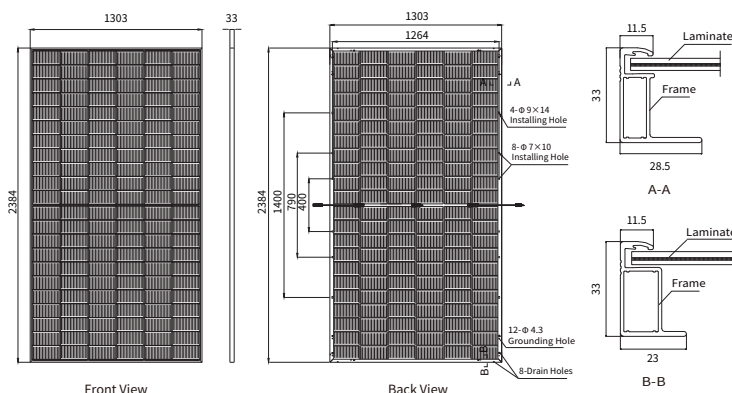
Mechanical Specifications

Cell Type	N-type Mono TOPCon
No. of Cells	132 (6×22)
Dimension	2384x1303x33mm
Weight	38.3kg
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	33 pcs
Per 40' HQ Container	594 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

