Solar

PNGNH72-B8(182)

560-585 Watt

N-type Mono TOPCon

Key Features

Multi Busbar Solar Cell

Stronger current collection ability, Special circuit design with much lower hot spot temperature;

PID Resistant

Anti PID

Excellent PID resistance at 96 hours (85℃/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 22.64%

Half cell structure brings low resistance characteristic, higher lifetime generating capacity, simultaneously lower annual power attenuation;

Low-Light Performance

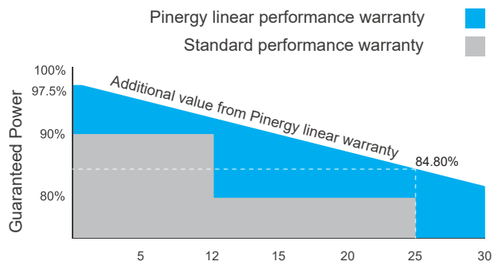
Excellent power generation performance under Low-Light condition due to multi busbar; better shading response benefit from half cell module;

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

Solar

Electrical Specifications

Module Type: PNGNH72-B8-xxx , (xxx=Pmax)

Module Type	560		565		570		575		580		585	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	560	424	565	428	570	432	575	436	580	440	585	444
Voltage at Max. Power (Vmp/V)	41.83	39.78	41.98	39.93	42.13	40.08	42.28	40.23	42.43	40.38	42.58	40.53
Current at Max. Power (Imp/A)	13.39	10.66	13.46	10.72	13.53	10.78	13.6	10.84	13.67	10.9	13.74	10.96
Open circuit voltage (Voc/V)	50.37	48.26	50.52	48.41	50.67	48.56	50.82	48.71	50.97	48.86	51.12	49.01
Short circuit current (Isc/A)	14.15	11.38	14.22	11.44	14.28	11.5	14.34	11.56	14.41	11.62	14.48	11.68
Module efficiency (%)	21.67%		21.86%		22.06%		22.25%		22.44%		22.64%	
Power Tolerance (W)	0~+5											

Standard Test Condition（STC）: Irradiance 1000W/m², Cell Temperature 25℃, AM1.5

Nominal Module Operating Temperature（NMOT）: Irradiance 800W/m², Ambient Temperature 20℃, AM1.5, Wind Speed 1m/s

Mechanical Specifications

Cell Type	N-Type MONO 182×91mm
No. of Cells	144 (6×24)
Dimension	2279x1134x35mm
Weight	29kg
Glass	3.2mm, Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Output Cables	4mm², Length 300mm or customized
Connector type	MC4 compatible

Temperature Characteristics

NOCT Temperature	44℃ ±2℃
Temprature Coefficient (Pmax)	-0.36%/℃
Temprature Coefficient (Voc)	-0.28%/℃
Temprature Coefficient (Isc)	0.05%/℃

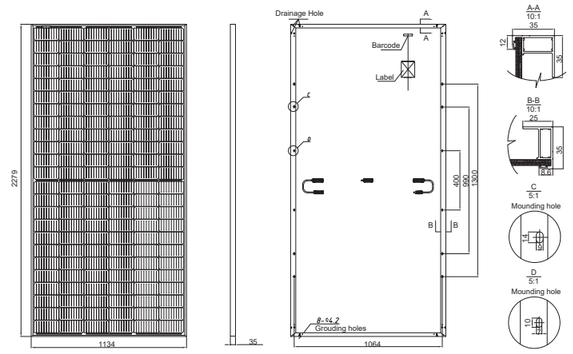
Maximum Ratings

Maximum system voltage (IEC)	1500V DC
Snow / Wind	5400Pa / 2400Pa
Operating Temperature	-40℃ ~ +85℃
Maximum series fuse rating	25A

Packaging Configurations

Per Pallet	31 pcs
Per 40' HQ Container	620 pcs

Engineering Drawings



Curve & Temperature Dependence