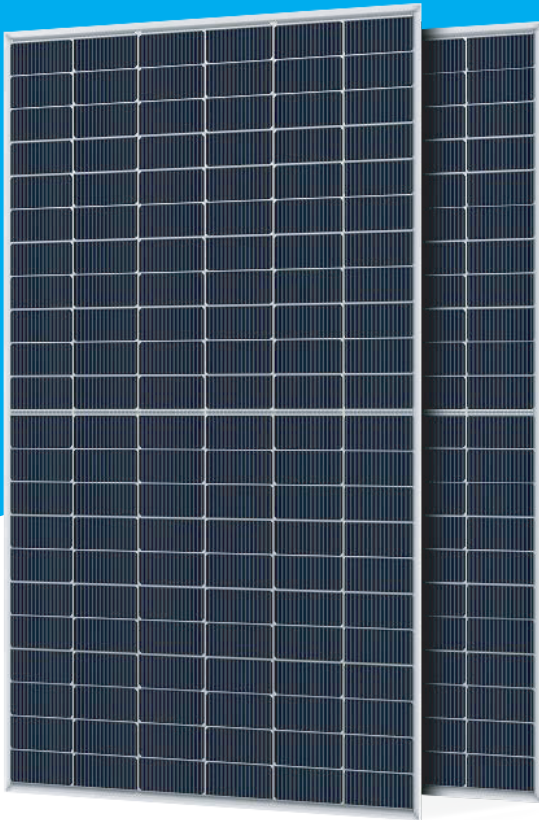




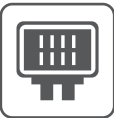
PNGNH66-BR

600-630 Watt

N-type Mono TOPCon



Key Features



IP68 waterproof junction box and connector
IP68 waterproof junction box and connector have excellent waterproof performance and can effectively resist harsh environments;



Anti-PID
Excellent anti-PID performance in 96 hours (85℃/85%) test, and it can also be improved to meet higher standards and is suitable for particularly harsh environments;



Unspecified MBB half cell technology
New circuit design, lower internal current, lower power loss;



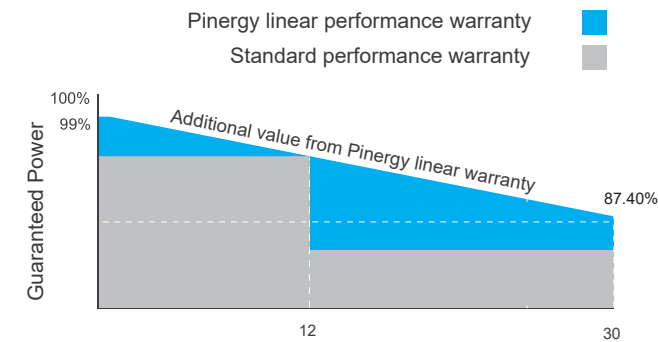
Significantly reduce the risk of hot spots
Special circuit design brings lower hot spot temperature;



Lower power generation cost
Reduce the levelized power generation cost, and effectively increase power generation by more than 2%;

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-BR-xxx , (xxx=Pmax)

Module Type	600	605	610	615	620	625	630
Testing Condition	STC	STC	STC	STC	STC	STC	STC
Max. Power (Pmax/W)	600	605	610	615	620	625	630
Voltage at Max. Power (Vmp/V)	40.17	40.31	40.46	40.60	40.74	40.88	41.02
Current at Max. Power (Imp/A)	14.94	15.01	15.08	15.15	15.22	15.29	15.36
Open circuit voltage (Voc/V)	48.28	48.48	48.68	48.88	49.08	49.28	49.48
Short circuit current (Isc/A)	15.84	15.90	15.96	16.02	16.08	16.14	16.20
Module efficiency (%)	22.2%	22.4%	22.6%	22.8%	23.0%	23.1%	23.3%
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

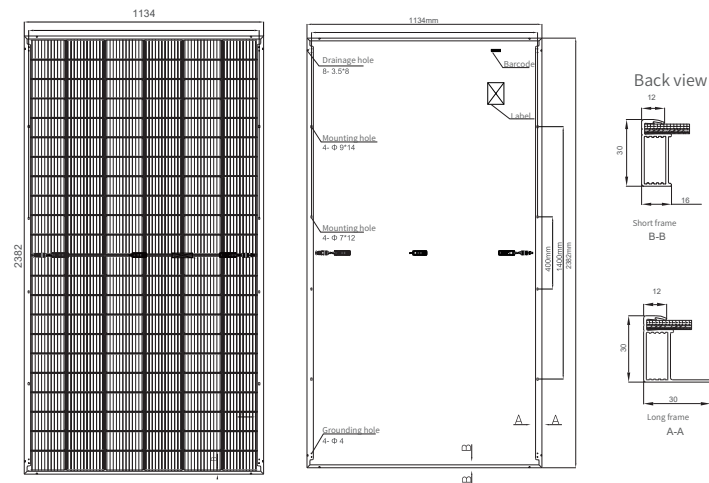
Mechanical Specifications

Cell Type	N-type Mono Solar Cell
No. of Cells	132 (6×22)
Dimension	2382x1134x30mm
Weight	32.4kg
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

Packaging Configurations

Per Pallet	36 pcs
Per 40' HQ Container	720 pcs

Engineering Drawings



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	30A

Curve & Temperature Dependence

