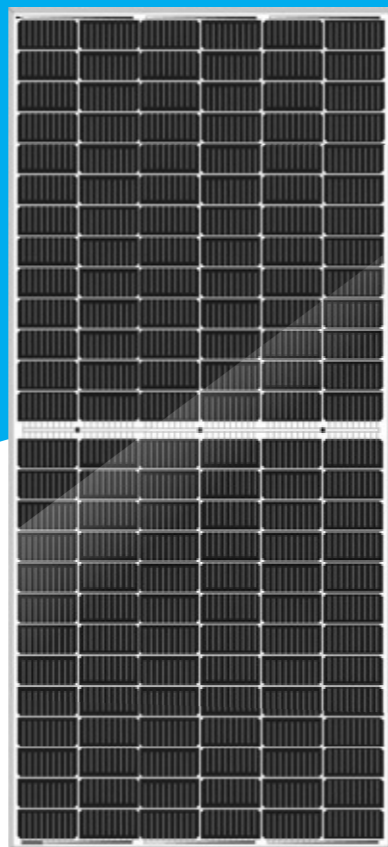


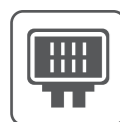


PNGNH78-B8(182) 600-625 Watt

N-type Mono TOPCon



Key Features



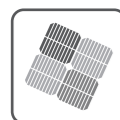
IP68 junction box, connector

IP68 junction box and connector have a high degree of waterproof, effectively resist the harsh environment;



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;



MBB half-cut cell technology

New circuit design, lower internal current, lower Rs loss



Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature

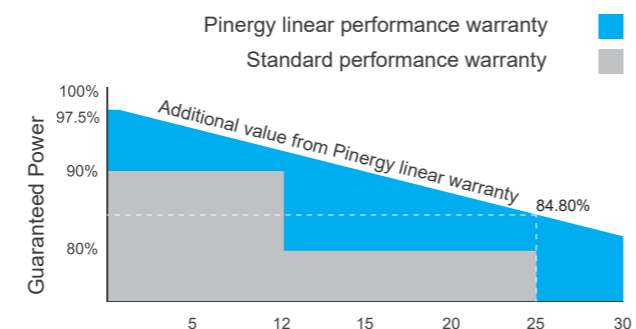


Lower LCOE

2% more power generation, lower LCOE

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: PNGNH78-B8-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	455	605	459	610	463	615	467	620	471	625	476
Voltage at Max. Power (Vmp/V)	45.3	43.2	45.4	43.3	45.5	43.4	45.6	43.5	45.7	43.6	46.8	43.7
Current at Max. Power (Imp/A)	13.23	10.55	13.31	10.61	13.39	10.68	13.47	10.74	13.55	10.80	13.64	10.86
Open circuit voltage (Voc/V)	54.9	52.0	55.0	52.2	55.2	52.3	55.3	52.5	55.4	52.7	55.5	52.9
Short circuit current (Isc/A)	13.98	11.27	14.05	11.33	14.12	11.38	14.19	11.44	14.26	11.50	14.35	11.56
Module efficiency (%)	21.38%		21.56%		21.74%		21.92%		22.10%		22.28%	
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

Mechanical Specifications

Cell Type	N-Type MONO 182×91mm
No. of Cells	156 (6×26)
Dimension	2472x1135x35mm
Weight	31.5kg
Glass	3.2mm, Low Iron 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	31 pcs
Per 40' HQ Container	558 pcs

Engineering Drawings

