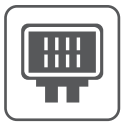


PNG-132M(210)

640-675 Watt

BIFACIAL MONO SOLAR PERC

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

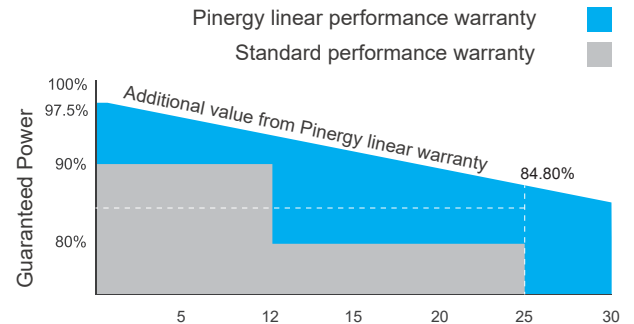


Lower LCOE

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	PNG132M-640		PNG132M-645		PNG132M-650		PNG132M-655		PNG132M-660		PNG132M-665		PNG132M-670		PNG132M-675	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmp/Wp)	640	483	645	488	650	492	655	496	660	499	665	503	670	507	675	511
Rated voltage (Vmp/V)	37.0	34.5	37.2	34.7	37.4	34.9	37.6	35.1	37.8	35.3	38.0	35.5	38.2	35.6	38.4	35.8
Rated current (Imp/A)	17.30	14.03	17.34	14.06	17.38	14.09	17.42	14.13	17.46	14.16	17.50	14.19	17.54	14.22	17.58	14.26
Open circuit voltage (Voc/V)	44.8	42.2	45.0	42.4	45.2	42.6	45.4	42.8	45.6	43.0	45.8	43.1	46.0	43.3	46.2	43.5
Short circuit current (Isc/A)	18.36	14.80	18.41	14.84	18.46	14.88	18.50	14.92	18.55	14.96	18.60	15.00	18.65	15.04	18.70	15.08
Module efficiency (%)	20.60%		20.80%		20.90%		21.10%		21.20%		21.40%		21.60%		21.70%	
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

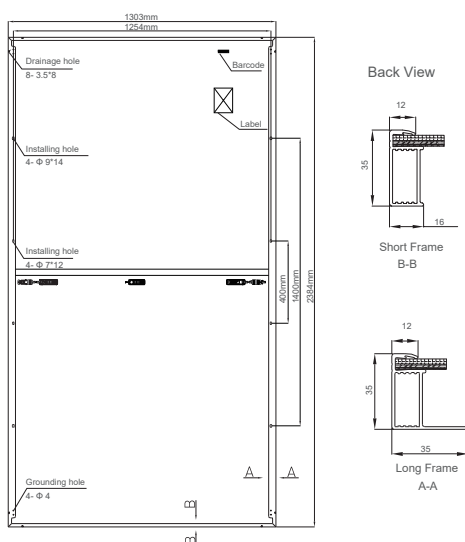
Mechanical Specifications

Cell Type	MBB MONO 210×105mm
No. of Cells	132 (6×22)
Dimension	2384x1303x35mm
Weight	34.0kg
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

Packing Configurations

Per Pallet	31 Pcs
Per 40' HQ Container	558 Pcs

Engineering Drawings



Temperature Characteristics

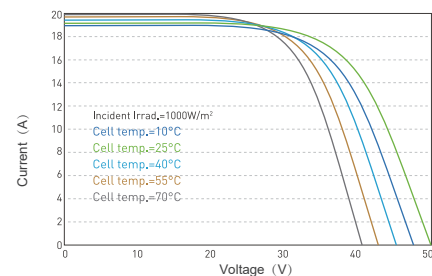
NOCT Temperature	44°C ±2°C
Temperature Coefficient (Pmax)	-0.36%/°C
Temperature Coefficient (Voc)	-0.28%/°C
Temperature Coefficient (Isc)	0.05%/°C

Maximum Ratings

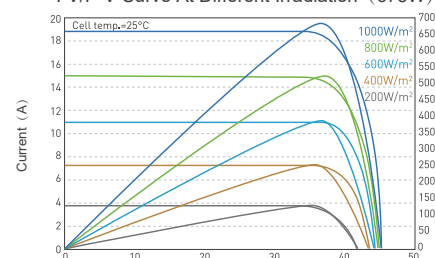
Maximum system voltage (IEC)	1500V DC
Snow / Wind	5400Pa / 2400Pa
Operating Temperature	-40°C ~ +85°C
Maximum series fuse rating	30A

Curve & Temperature Dependence

I-V Curve At Different Temperature (675W)



I-V/P-V Curve At Different Irradiation (675W)



Caution: Read Installation Manual Before Using The Product