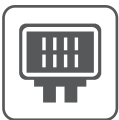


# PNG-156M(182)

## 580-600 Watt

HALF-CELL MBB MONO 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

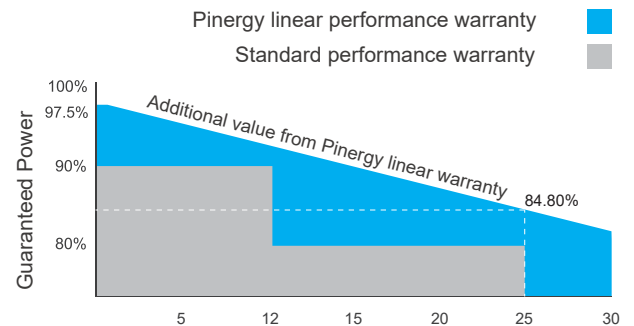


#### Lower LCOE

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	PNG156M-580		PNG156M-585		PNG156M-590		PNG156M-595		PNG156M-600	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power (Pmax/W)	580	428	585	431	590	435	595	438	600	442
Voltage at Max. Power (Vmp/V)	44.4	41.4	44.6	41.6	44.8	41.8	45.0	42.0	45.2	42.2
Current at Max. Power (Imp/A)	13.07	10.32	13.12	10.36	13.17	10.41	13.22	10.45	13.27	10.50
Open circuit voltage (Voc/V)	53.3	49.8	53.5	50.0	53.7	50.2	53.9	50.4	54.1	50.6
Short circuit current (Isc/A)	13.81	11.13	13.87	11.18	13.94	11.23	13.98	11.28	14.03	11.33
Module efficiency (%)	20.67%		20.85%		21.03%		21.21%		21.38%	
Power Tolerance (W)	0~+5									

Standard Test Condition (STC): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

Nominal Module Operating Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

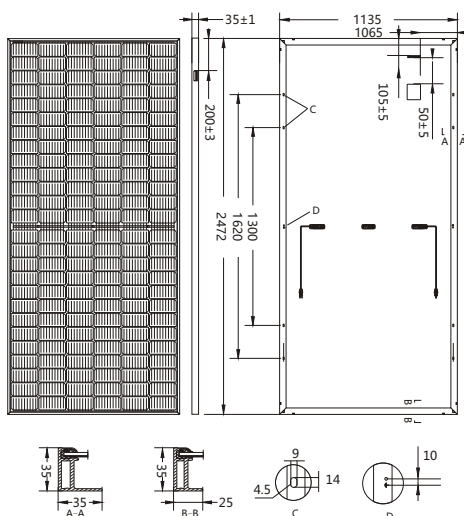
## Mechanical Specifications

Cell Type	10BB 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 <sup>2</sup> , Length 300mm or customized
Connector type	MC4 compatible

## Packaging 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

