

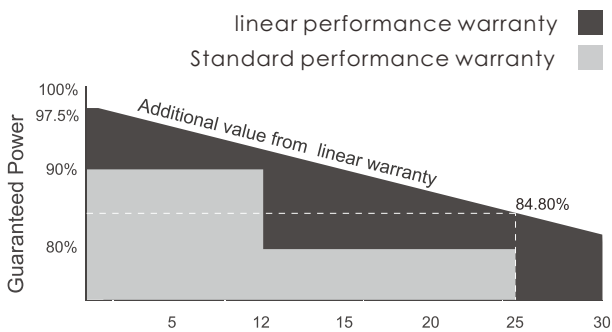
Monocrystalline Solar PV Modules

285-300 Watt 10BB



Linear Performance Warranty

12 Years Product Warranty 30 Years Linear Power Warranty

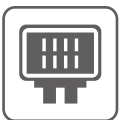


Certification

- IEC 61215, IEC 61730, CE, CQC
- ISO9001: 2015: Quality management system
- ISO14001: 2015: Environmental management system
- ISO45001: 2018: Occupational health and safety management system



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

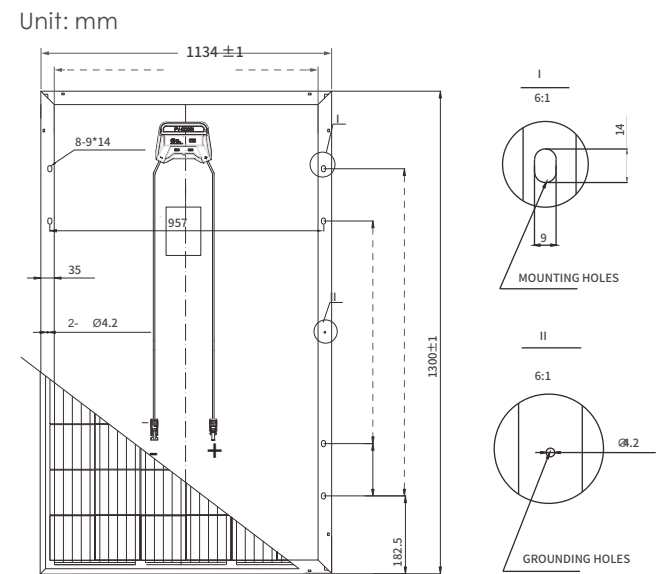
Monocrystalline Solar PV Modules

Electrical Specifications				
Module Type	STPM-285W	STPM-290W	STPM-295W	STPM-300W
Testing Condition	STC	STC	STC	STC
Rated output (Pmp/Wp)	285	290	295	300
Rated voltage (Vmp/V)	34.8	34.9	35.0	35.1
Rated current (Imp/A)	8.18	8.31	8.43	8.55
Open circuit voltage (Voc/V)	41.76	41.88	42.01	42.12
Short circuit current (Isc/A)	8.63	8.76	8.88	9.02
Module efficiency (%)	19.3%	19.7%	20.0%	20.3%
Power Tolerance (W)	±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 Data	
Cell Type	MONO 182*60.67mm
No. of Cells	120 (6*20)
Dimension	1300*1134*35mm
Weight	15kg
Glass	3.2mm, Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Output Cables	2.5mm ² , Length 900mm or customized
Connector type	MC4 compatible

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)	1000VDC
Snow / Wind	5400Pa/2400Pa
Operating Temperature	-40°C ~+85°C
Maximum series fuse rating	15A

Packaging Configurations	
Per Pallet	31 pcs
Per 40' HQ Container	1504 pcs