



MONOCRYSTALLINE MODULE

IBSP-530-550W

530-550 W / 72 Cells

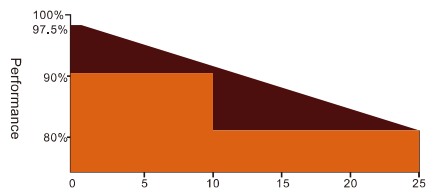


QUALITY&EFFICIENCY CHARACTERISTIC

- Conversion efficiency up to 19.5%**
 Advanced solar cell surface texturing technology and excellent low-light performance
- Super load capacity**
 Certified to withstand high wind loads(2400 Pa) and snow loads (5400Pa) of the latest standard test of module mechanical load
- Anti-PID**
 Excellent anti-PID module design
- +2% Light transmittance**
 Adopting the self-cleaning coated glass with high light transmittance
- 0~+3W Positive tolerance**
 Positive tolerance guarantee reliable power output

LINEAR WARRANTY FOR MODULE

- 25** 25-year linear power warranty
- 10** 10-year warranty for product material & process



PTNE-200-240W

ELECTRICAL DATA AT STC *

Power output(Pmax)	200W	210W	220W	230W	240W
Power tolerance	0~+3W	0~+3W	0~+3W	0~+3W	0~+3W
Module efficiency	15.27%	16.04%	16.80%	17.56%	18.33%
Maximum power voltage(Vmp)	23.52V	24.29V	25.07V	25.92V	26.68V
Maximum power current(Imp)	8.55A	8.68A	8.81A	8.91A	9.02A
Open circuit voltage(Voc)	30.29V	30.67V	31.06V	31.49V	31.87V
Short circuit current(Isc)	9.52A	9.56A	9.58A	9.59A	9.62A

*Standard Test Conditions: Irradiance: 1000W/m² Cell temperature:25°C·AM:1.5

ELECTRICAL DATA AT NOCT *

Power output(Pmax)	149.25W	156.72W	164.18W	171.64W	179.10W
Maximum power voltage(Vmp)	21.99V	22.71V	23.44V	24.23V	24.96V
Maximum power current(Imp)	6.90A	7.01A	7.11A	7.19A	7.28A
Open circuit voltage(Voc)	28.23V	28.59V	28.94V	29.35V	29.71V
Short circuit current(Isc)	7.62A	7.65A	7.67	7.69A	7.71A

*Nominal Operating Cell Temperature: Irradiance: 800W/m² · Ambient temperature:20°C · AM:1.5 · Wind speed:1 m/s

TEMPERATURE CHARACTERISTICS

NOCT	45°C ± 2°C
Temperature coefficient of Pmax	-0.396%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	+0.06%/°C

MAXIMUM RATINGS

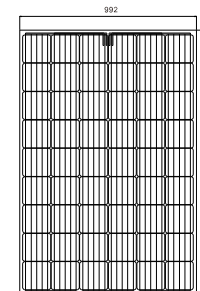
Operating temperature range	-45°C~+85°C
Maximum system voltage	1500V
Max series fuse rating	15A
Max front load(e.g.:snow)	5400Pa
Max back load(e.g.:wind)	2400Pa

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156x156mm)
Number of cells	48
Dimensions	1320x992x30mm
Weight	11.56kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP 68
Cable	0.9m
Connector	MC 4 or MC 4 compatible
Back sheet	White sheet

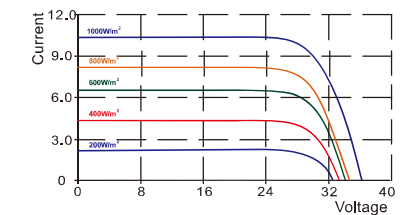
Container loading quantity with pallets : 20GP: 592 pallets / 40GP:1184 pallets / 40HQ-HC: 1404pallets

SPECIFICATION



Approximate ±2mm tolerance for the length and width

I-V CURVE



Because of technical changes and product updates, the products of this brochure may differ from the actual products, and Pattern Solar Technology Group has the right to make adjustments to the above-mentioned information at any time without further notice.