



MONOCRYSTALLINE MODULE

**IBSP-530-550W**

530-550 W / 72 Cells

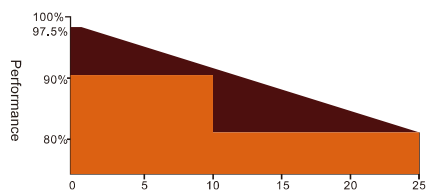


### QUALITY&EFFICIENCY CHARACTERISTIC

- 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-95-115W

### ELECTRICAL DATA AT STC \*

	95W	100W	105W	110W	115W
Power output(Pmax)	95W	100W	105W	110W	115W
Power tolerance	0~+3W	0~+3W	0~+3W	0~+3W	0~+3W
Module efficiency	15.00%	15.79%	16.58%	17.37%	18.16%
Maximum power voltage(Vmp)	17.97V	18.40V	18.76V	19.28V	19.75V
Maximum power current(Imp)	5.30A	5.43A	5.62A	5.73A	5.83A
Open circuit voltage(Voc)	22.64V	22.20V	23.04V	23.58V	23.90V
Short circuit current(Isc)	5.92A	5.85A	6.12A	6.17A	6.20A

\*Standard Test Conditions: Irradiance: 1000W/m<sup>2</sup> • Cell temperature:25°C•AM:1.5

### ELECTRICAL DATA AT NOCT \*

	70.90W	74.63W	78.36W	82.09W	85.82W
Power output(Pmax)	70.90W	74.63W	78.36W	82.09W	85.82W
Maximum power voltage(Vmp)	16.81V	17.37V	17.55V	18.03V	18.48V
Maximum power current(Imp)	4.28A	4.37A	4.53A	4.63A	4.71A
Open circuit voltage(Voc)	21.10V	21.37V	21.47V	21.98V	22.28V
Short circuit current(Isc)	4.74A	4.78A	4.90A	4.94A	4.96A

\*Nominal Operating Cell Temperature: Irradiance: 800W/m<sup>2</sup> • 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	-0.32%/°C
Temperature coefficient of Isc	+0.06%/°C

### MAXIMUM RATINGS

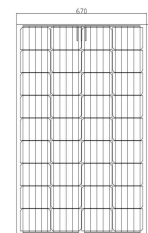
Operating temperature range	-45°C~+85°C
Maximum system voltage	1000V
Max series fuse rating	15A
Max front load(e.g.:snow)	5400Pa
Max back load(e.g.:wind)	2400Pa

### MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156*100mm)
Number of cells	36
Dimensions	945x670x25mm
Weight	6.55kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP 67
Cable	0.9m
Connector	MC 4 or MC 4 compatible
Back sheet	White sheet

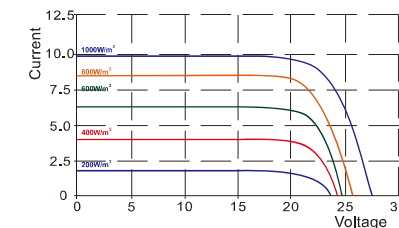
Container loading quantity with pallets : 20GP: 1408 pallets / 40GP: 2806 pallets / 40HQ-HC:3094pallets

### 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.