



MONOCRYSTALLINE MODULE

**IBSP-530-550W**

530-550 W / 72 Cells

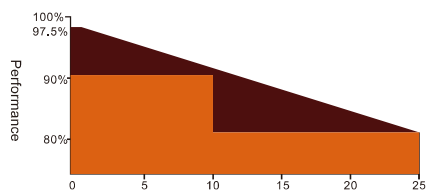


### QUALITY&EFFICIENCY CHARACTERISTIC

- 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~+5W 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-75-95W

### ELECTRICAL DATA AT STC \*

Power output(Pmax)	75W	80W	85W	90W	95W
Power tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module efficiency	14.54%	15.51%	16.48%	17.45%	18.41%
Maximum power voltage(Vmp)	18.14V	18.30V	19.22V	20.02V	20.65V
Maximum power current(Imp)	4.14A	4.38A	4.43A	4.50A	4.62A
Open circuit voltage(Voc)	22.68V	22.10V	23.51V	23.90V	24.30V
Short circuit current(Isc)	4.62A	4.85A	4.81A	4.83A	4.89A

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

### ELECTRICAL DATA AT NOCT \*

Power output(Pmax)	55.97W	59.70W	63.43W	67.16W	70.90W
Maximum power voltage(Vmp)	16.97V	17.29V	17.98V	18.72V	19.31V
Maximum power current(Imp)	3.34A	3.50A	3.58A	3.63A	3.73A
Open circuit voltage(Voc)	21.14V	21.61V	21.91V	22.28V	22.65V
Short circuit current(Isc)	3.70A	3.82A	3.85A	3.86A	3.92A

\*Nominal Operating Cell Temperature: Irradiance: 800W/m<sup>2</sup> • Ambient temperature: 20°C • AM: 1.5 • Wind speed: 1 m/s

### TEMPERATURE CHARACTERISTICS

	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

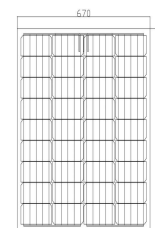
Operating temperature range	-40°C~+85°C
Maximum system voltage	1000 V
Max series fuse rating	15A
Max front load(e.g.:snow)	5400Pa
Max back load(e.g.:wind)	2400Pa

### MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156*78mm)
Number of cells	36
Dimensions	770x760x25mm
Weight	5.85kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP 68
Cable	0.8m
Connector	MC 4 or MC 4 compatible
Back sheet	White sheet

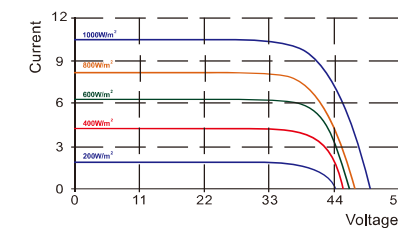
Container loading quantity with pallets : 20GP: 1664pallets / 40GP: 3470 pallets / 40HQ-HC: 3830 pallets

### 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.