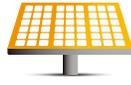


Recommended For



Utility Scale Ground Mounted



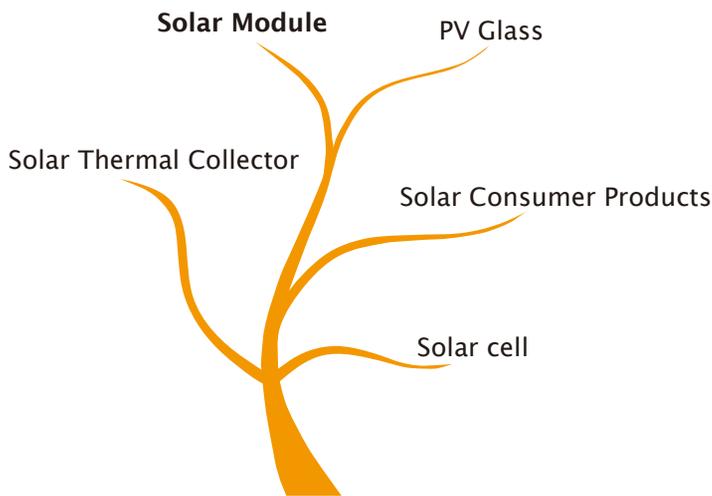
# TPS-P6U 330W Poly Crystalline Photovoltaic Module

## Key Feature

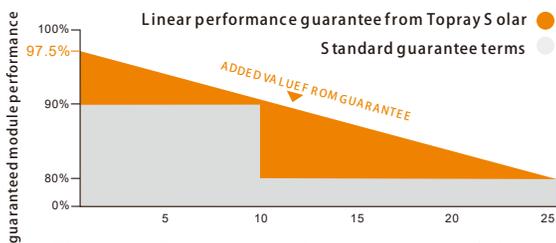
-  Plus power tolerance (0 to +5W) ensures the highest reliability of power output
-  High module efficiency up to 17.04%.
-  Proprietary anti-reflective, hydrophobic layer of glass surface (800°C online coating technology) improves light absorption and reduces surface dust.
-  Excellent performance under low light environment, create better kWh/kW ratio and produce average 2-3% more electricity.
-  Certified by TUV to withstand high level of wind loads (2400Pa) and snow loads (5400Pa.)

Your Reliable Solar Provider

## Our Products Categories



## Guaranteed Performance

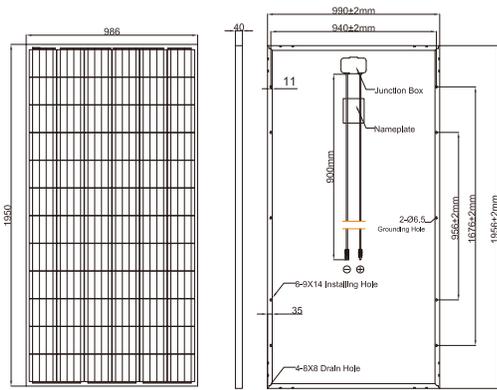


\*25-year performance guarantee in accordance with the applicable Topray Solar guarantee terms upon purchase.

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and “hot spot effect”.
- 100% double EL inspection ensures modules are defects free.
- Modules sorted by current to improve system performance.
- Potential Induced Degradation (PID) free tested by TÜV.

\* Please refer to Topray Safety and Installation Manual for details.  
\*\*Please refer to Topray Limited Product Warranty for details.



MECHANICAL DRAWINGS

# TPS-P6U <sup>330W</sup>

Poly Crystalline Photovoltaic Module

## MECHANICAL SPECIFICATION

Cell Type	Poly crystalline 156.75×156.75 mm (6 inch)
Number of cells	72(6×12)
Dimensions (A×B×C)	1956×990×40mm
Weights	20.5kg
Front Glass	3.2 mm low iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP 67, with bypass diodes
Connector	MC4 compatible
Output Cable	TÜV tested, length 900mm, 4.0mm <sup>2</sup>

The typical relative change in module efficiency at an irradiance of 200W/m<sup>2</sup> in relation to 1000W/m<sup>2</sup>(both at 25°C and AM 1.5 spectrum) is less than 6%.

## PACKING CONFIGURATION

Container	20' GP	40'GP	40'HQ
Pieces per container	270	648	696

## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	44±2°C
Temperature Coefficient of Pmax (δ)	-0.4%/K
Temperature Coefficient of Voc (β)	-0.37%/K
Temperature Coefficient of Is (α)	0.05%/K

## SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	DC 1000V
Maximum Series Fuse	15A
Maximum reverse current	21.5A
Snow loads	5400Pa
Operating Temperature	-40~+85°C
Number of bypass diodes	3

### DEALER INFORMATION BOX

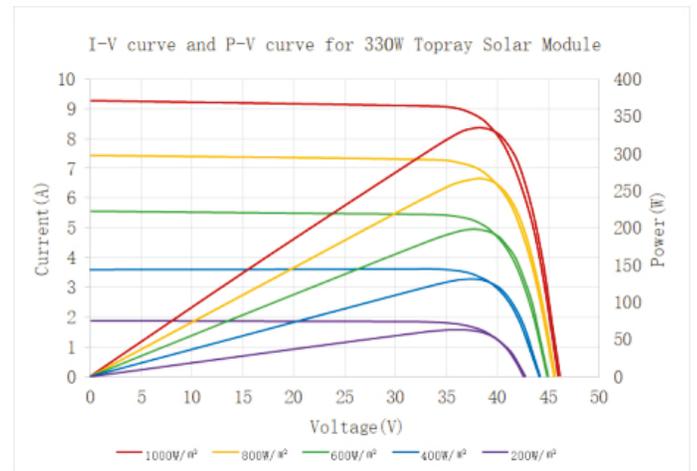
## ELECTRICAL CHARACTERISTICS

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPSP6U-Topray Universal
Maximum Power at STC(Pmax)	330W
Short Circuit Current(Isc)	9.21A
Open Circuit Voltage(Voc)	45.90V
Maximum Power Current(Imp)	8.85A
Maximum Power Voltage(Vmpp)	37.3V
Module Efficiency	17.04%
Power Tolerance	0/+5W

### PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE (NOCT:800W/M<sup>2</sup>,47±3°C,AM 1.5)

Maximum Power(Pmax) Short	239.18W
Circuit Current(Isc) Open	7.52A
Circuit Voltage(Voc) Maximum	42.41V
Power Current(Imp) Maximum	6.94A
Power Voltage(Vmpp)	34.47V



## QUALIFICATIONS AND CERTIFICATES

CE, IEC 61215, IEC 61730, IEC61701, IEC62716, TÜV Safety Class II, UL 1703, ISO9001, ISO14001, OHSAS18001

