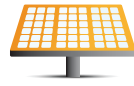









Recommended For



Utility Scale Ground Mounted

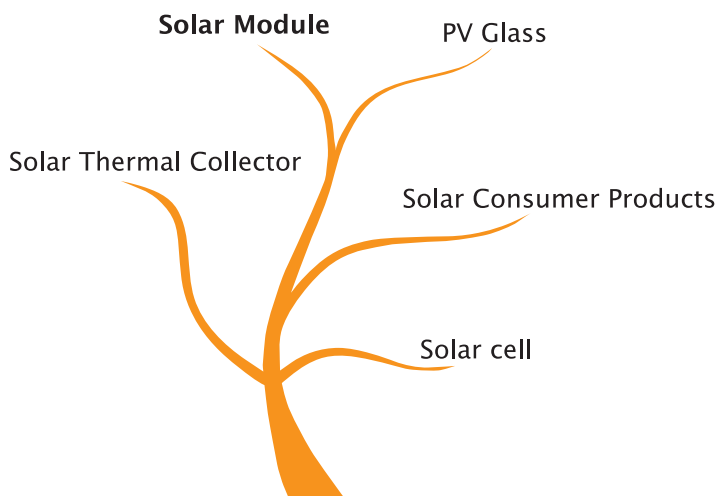
# TPSM6U <sup>380W</sup> Mono Crystalline Photovoltaic Module

## Key Feature

-  High module efficiency
-  Plus power tolerance: 0~+3%.
-  Independently developed anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust.
-  Excellent performance under low light environments, create better kWh/kW ratio and produce 2-3% more electricity average in average.
-  Certified by TUV to withstand high level of wind loads (2400Pa) and snow loads (5400Pa)\*.

Not Your Average Solar Provider

## Our Products Categories



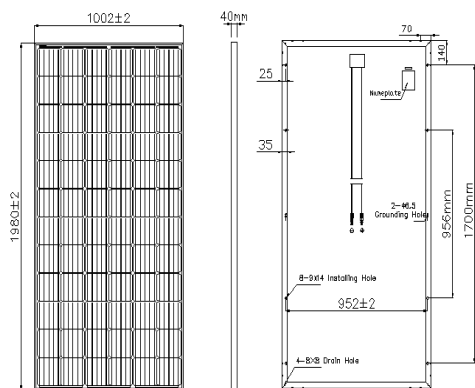
## Guaranteed Performance\*\*

- 10 Years Manufacturing Warranty
- 12 Years Warranty, 90% Power Output
- 25 Years Warranty, 80% Power Output
- Free module recycling through membership in the PV Cycle Association

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect".
- Compatible with industry standard inverters and mounting systems. Guarantee minimal maintenance effort required.
- 100% EL double-inspection ensures modules free of defects.
- Potential Induced Degradation (PID) free.

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



MECHANICAL DRAWINGS

ELECTRICAL CHARACTERISTICS

MECHANICAL SPECIFICATION

Cell Type	Mono PERC Crystalline 158.75×158.75 mm
Number of cells	72 (6×12)
Dimensions (A×B×C)	1980×1002×40mm
Weights	21kg
Front Glass	3.2 mm Low iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP 67, with bypass diodes
Connector	MC4 compatible
Output Cables	TÜV standard, 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	594	638

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	44±3°C
Temperature Coefficient of Pmax (γ)	- 0.4%/k
Temperature Coefficient of Voc (β)	- 0.37%/k
Temperature Coefficient of Isc (α)	0.05%/k

SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	DC 1000V
Maximum Series Fuse	15A
Maximum reverse current	21.5A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40~+85°C
Number of bypass diodes	3

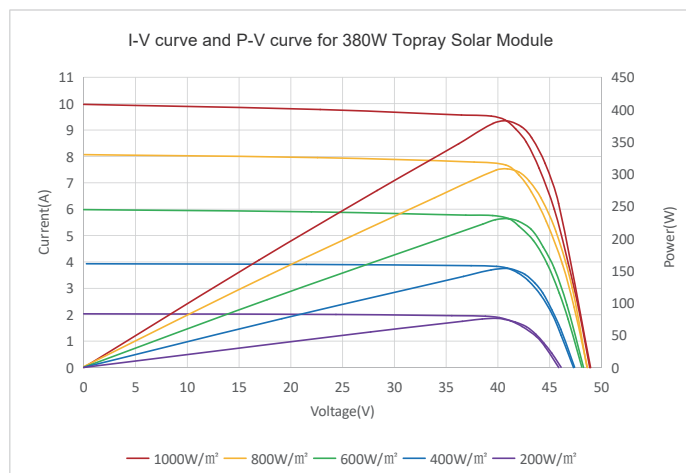
DEALER INFORMATION BOX

# TPSM6U 380W

Mono Crystalline Photovoltaic Module

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

Module Series	TPS-M6U(72)-380W
Maximum Power at STC(Pmax)	380W
Short Circuit Current(Isc)	9.95A
Open Circuit Voltage(Voc)	48.4V
Maximum Power Current(Imp)	9.66A
Maximum Power Voltage(Vmpp)	39.35V
Module Efficiency	19.15%
Power Tolerance	0/+3%



QUALIFICATIONS AND CERTIFICATES

CE-Compliant, IEC 61215 (Ed.2), IEC 61730 (Ed.1) application classA ,TÜV Safety Class II,UL 1703

