TPSh-M6M120SH1W





Half Cell:

Half cell design allows the module to be operated in half of the original current,

lowers the internal loss and decreases the CTM loss, generating more power.

Topray Solar half cell operates in lower temperature, decreases the risk of hot spot

and the loss due to temperature coefficient, enhancing the performance and reliability.

Module circuit separated into two sections that are connected in parallel. Combined with

built-in bypass diodes, providing better performance under shading scenario.

Advanced laser cutting technology ensures no damage to the cell during cutting process.

Encapsulated with our own Topray Solar glass with highest effective solar transmittance from

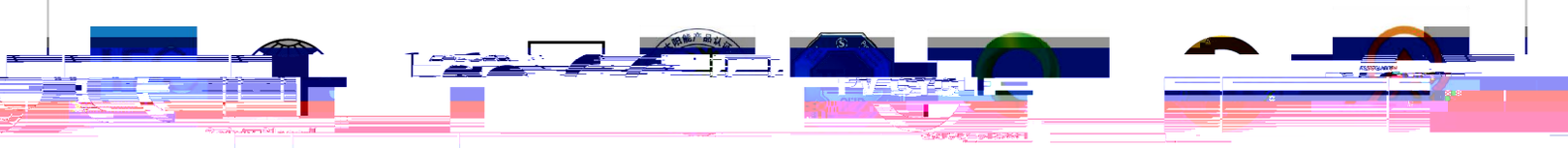
380nm to 1100nm of 94.5% certified by National Lab, enhancing the performance and guarantees

more operational hours during day to day usage.

Equipped with anti-soiling film and hydrophilic coating on the front glass, Topray Solar modules are capable

of self-cleaning, ensuring maximum performance and requiring minimum manual cle

Qualifications and Certification



TPSh-M6M120SH1W

350-375W

Mechanical Specification

Cell Type	Mono Crystalline 166x83mm
Numbers of cells	120
Dimension	1755X1038X30mm
Weight	19.0kg
Front Glass	3.2 mm low iron tempered glass
Frame	Anodized aluminum
Junction Box	IP 67, with 3 bypass diodes
Connector	MC4 compatible
Output Cables	TÜV, 350mm4.0mm^2

Module Series	TPSh-M6M120SH1W	
Maximum Power at STC(Pmax) (W)	350	360
Short Circuit Current(Isc) (A)	11.15	11.35
Open Circuit Voltage(Voc) (V)	40.10	40.50
Maximum Power Current(Impp) (A)	10.42	10.69
Maximum Power Voltage(Vmpp) (V)	33.59	34.00
Module Efficiency	19.21%	19.76%
Power Tolerance	0/+3%	0

Mechanical drawings (mm)

Nominal Operating Cell Temperature(NOCT)	±2
Temperature Coefficient of Pmax(γ)	-0.4 /K
Temperature Coefficient of Voc(β)	-0.34%/K
Temperature Coefficient of Isc(α)	+0.05%/K

Container	20GP
Pieces per container	216

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