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 effective solar transmittance from

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

Module certified by TUV

For SNOW ZONE III, withstand high level of wind loads(2400Pa) and snow loads(5400Pa).

For PID test. No Potential Induced Degradation caused by High Voltage Stress.

For salt mist corrosion, ammonia corrosion test.

Utility Scale Ground Mounted

Residential Roof

Recommended

TPSh-M2P144SH1W

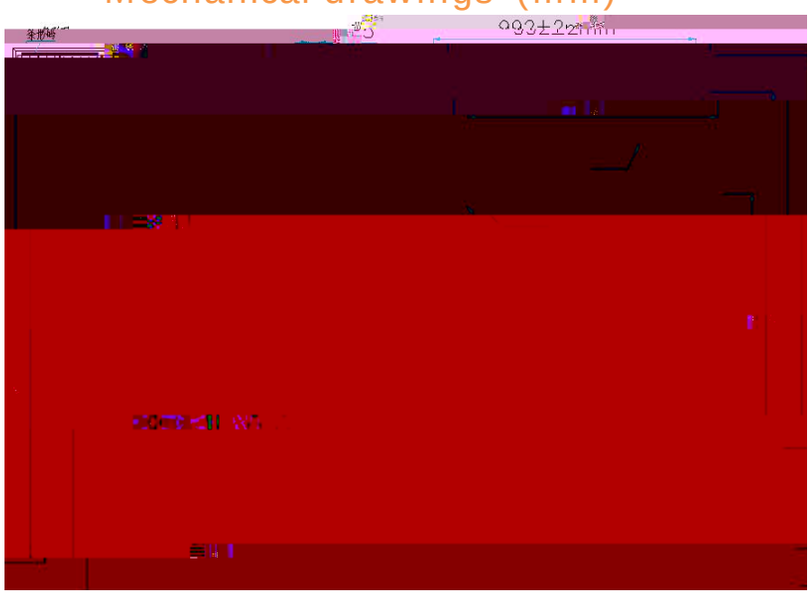
325-345W

Mechanical Specification

Cell Type	Poly Crystalline 157x78.5mm
Numbers of cells	144
Dimension	1992X992X35mm
Weight	20.5kg
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	TUV tested,length 350mm,4.0mm^2

Module Series	TPSh-M2P144SH1W			
Maximum Power at STC(Pmax) (W)	330	335	340	345
Short Circuit Current(Isc) (A)	9.21	9.29	9.38	9.46
Open Circuit Voltage(Voc) (V)	45.90	46.10	46.25	46.42
Maximum Power Current(Impp) (A)	8.84	8.93	9.05	9.16
Maximum Power Voltage(Vmpp) (V)	37.33	37.52	37.57	37.67
Module Efficiency	16.70%	16.95%	17.21%	17.46%
Power Tolerance	0/+3%			

Mechanical drawings (mm)



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature(NOCT)	44±2°C
Temperature Coefficient of Pmax(γ)	-0.4%/K
Temperature Coefficient of Voc(β)	-0.34%/K
Temperature Coefficient of Isc(α)	+0.05%/K

PACKING CONFIGURATION

Container	20'GP	40'GP	40'HQ
Pieces per container	310	682	726

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