

270~295P

STP6-270-295/60

Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production. (Potential Induced Degradation) under the test conditions.



High Efficiency

High module efficiency to guarantee power output.



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

Certified to withstand: Wind load (2400 pascal)
and snow load (5400 pascal).



12-year Warranty for
Materials and Processing



25-year Warranty for
Extra Linear Power Output



STP6-270-295/60

270-295W

Half-Cell High Efficiency PV Module

Weight

17.5kgs±3%

Cells Type

Poly-crystalline 156.75×156.75mm

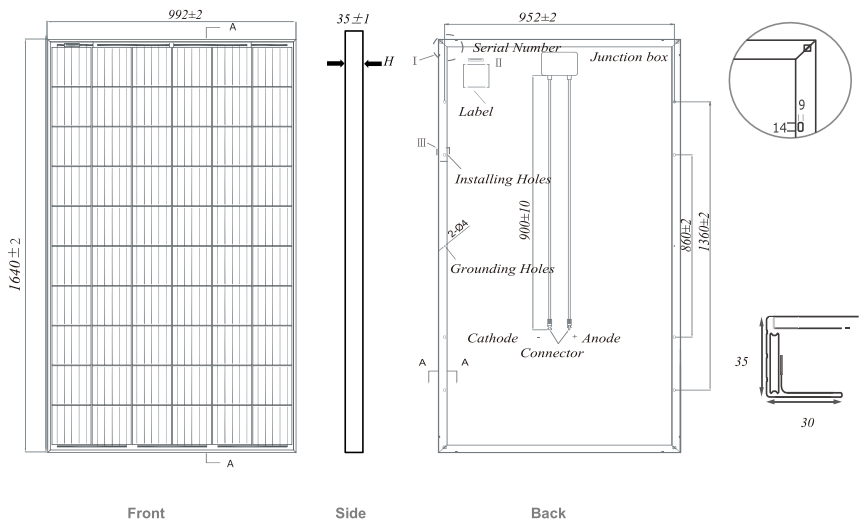
Dimension (L×W×T)

1640±2mm x992±2mm x 35±1mm

Packaging

31pcs/pallet, 938pcs/40HQ container

31pcs/pallet, 372pcs/20GP container

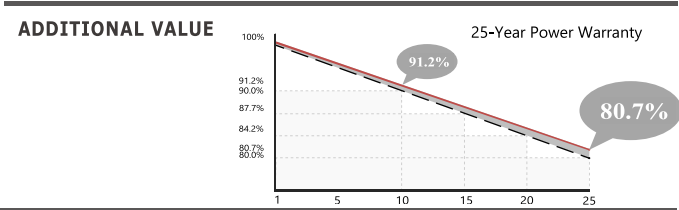


Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION						OPERATING PARAMETERS					
No.of cells	60 (6x10)					Operating Temperature	-40℃~+85℃				
Front Glass	3.2mm, High Transmission, Low Iron, ARC Tempered Glass					Maximum System Voltage	1500VDC (IEC)				
Frame	Anodized Aluminium Alloy					Maximum System Voltage	1500VDC (BIS)				
Output Cables	4.0mm, Length: 900mm					Maximum Series Fuse	15A				
Junction Box	IP67 Rated					Maximum StaticLoad,Front	5400Pa(112lb/ft²)				
Connector	MC4 Compatible					Maximum StaticLoad,Back	2400Pa(50lb/ft²)				
Hailstone Impact Test	80Km/h for 25mm ice ball					Nominal Operating Cell Temperature (NOCT)	45 ± 2 ℃				

ELECTRICAL CHALACTERISTICS														STC:AM1.5 1000W/ m² 25℃ NOCT:AM1.5 800W/ m² 20℃ 1m/s Test uncertainty for Pmax ±3%
Module Type	STP6 -270/60		STP6 -275/60		STP6 -280/60		STP6 -285/60		STP6 -290/60		STP6 -295/60			
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT		
Maximum Power (Pmax/W)	270	202.1	275	205.9	280	209.6	285	213.4	290	217.1	295	220.9		
Open Circuit Voltage (Voc/V)	38.82	36.36	39.47	36.97	40.05	37.51	40.38	37.82	40.66	38.08	41.19	38.58		
Short Circuit Current (Isc/A)	9.25	7.47	9.29	7.51	9.32	7.53	9.41	7.60	9.51	7.68	9.58	7.74		
Voltage at Maximum Power (Vmp/V)	31.70	28.53	31.93	28.94	32.22	29.37	32.61	29.61	32.95	29.81	33.22	30.10		
Current at Maximum Power (Imp/A)	8.52	7.08	8.61	7.11	8.69	7.14	8.74	7.21	8.80	7.28	8.88	7.34		
Module Efficiency(%)	16.60%		16.90%		17.21%		17.52%		17.83%		18.13%			

TEMPERATURE RATINGS	
Norminal Operating Cell Temperature(NOCT)	45±2 ℃
Temperature Coefficient of Isc	+0.05%/ ℃
Temperature Coefficient of Voc	-0.27%/ ℃
Temperature Coefficient of Pmax	-0.35%/ ℃



I-V CURVE(STP6-270-295/60)

