

## POLY-CRYSTALLINE

### STP6-XXX/60 5BB Series 270W-290W

25

linear power  
output warranty

12

Guarantee on product  
Material and workmansh



#### 5 Busbar Solar Cell

5 Busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop



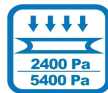
#### High Efficiency

Higher module conversion efficiency (up to 17.82%) benefit from full cell structure (low resistance characteristic).



#### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



#### Low-light Performance

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



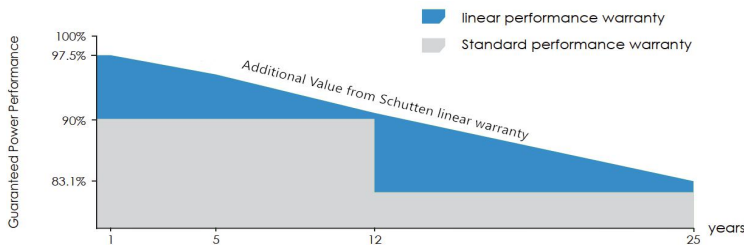
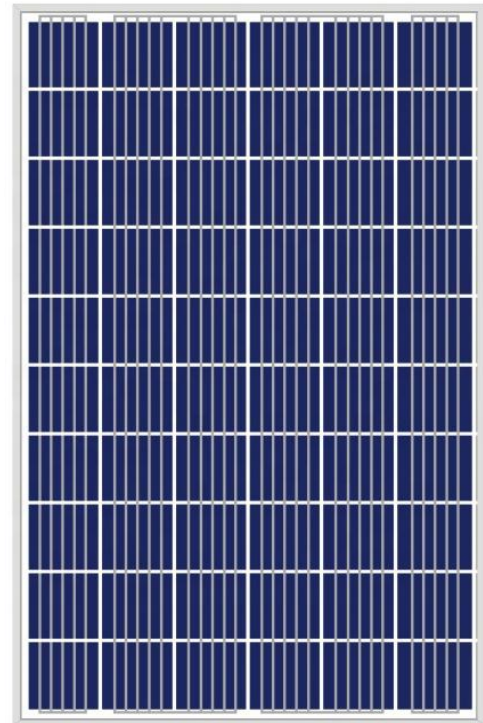
#### Severe Weather Resilience

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



#### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.



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## Electrical Characteristics

Module Type	STP6-270/60	STP6-275/60	STP6-280/60	STP6-285/60	STP6-290/60
Maximum Power (Pmax)	270	275	280	285	290
Maximum Power Voltage (Vmp)	31.70	31.93	32.22	32.61	32.95
Maximum Power Current (Imp)	8.52	8.61	8.69	8.74	8.80
Open-circuit Voltage (Voc)	38.82	39.47	40.05	40.38	40.66
Short-circuit Current (ISC)	9.25	9.29	9.32	9.41	9.51
Module Efficiency STC (%)	16.59	16.90	17.21	17.51	17.82
Power Tolerance	0-+5W	0-+5W	0-+5W	0-+5W	0-+5W

STC: Irradiance 1000W/m<sup>2</sup>
 Cell Temperature 25±2°C
 AM=1.5

## Mechanical Characteristics

Cell Type	Poly-crystalline 156.75*156.75mm full
No. of Cells	60 (6*10)
Dimensions	1640*992*35mm
Weight	18.0kgs
Front Glass	3.2mm High Transmission Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output cables	4.0mm , Length:900mm
Connector	MC4 Compatible
Hailstone Impact Test	80Km/h for 25mm ice ball

## Thermal Characteristics

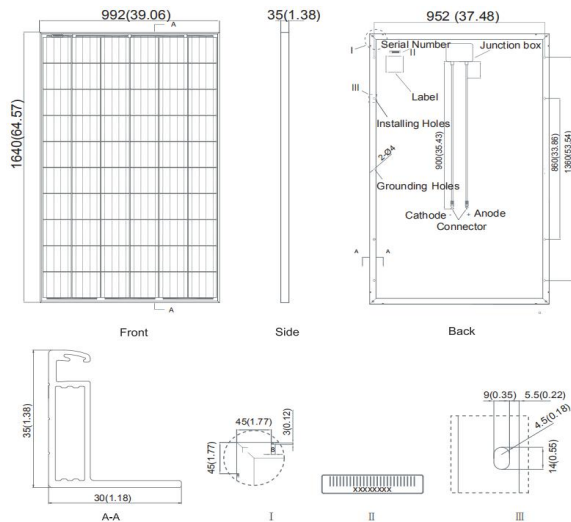
Nominal Operating Cell Temperature	45±2°C
Temperature coefficients of Pmax	-0.36%/°C
Temperature coefficients of Voc	-0.26%/°C
Temperature coefficients of Isc	+0.04%/°C

## Packing Configuration

Container	40' HQ	Maximun Rating	
Pieces Per Pallet	31/6	Operating temperature	-40- +85°C
Pallets Per CNTR.	28/14	Max System Voltage (IEC)	1500VDC
Pieces Per CNTR.	952	Max System Voltage (BIS)	1500VDC
		Max Series Fuse Rating	15A

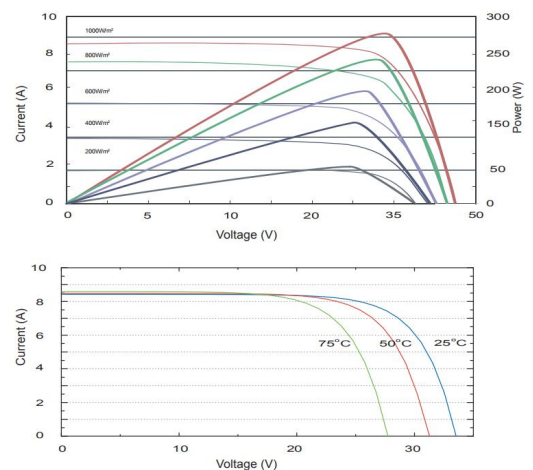
## Engineering Drawing

\*All dimensions in mm



## I-V Curves

### Current- Voltage & Power-Voltage Curves 270W



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