

MONO-CRYSTALLINE

STM6-XXX/60 5BB Series 315W-335W

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.



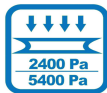
High Efficiency

Higher module conversion efficiency (up to 19.66%) benefit from half 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.



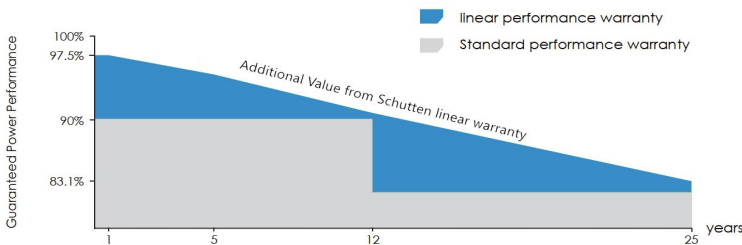
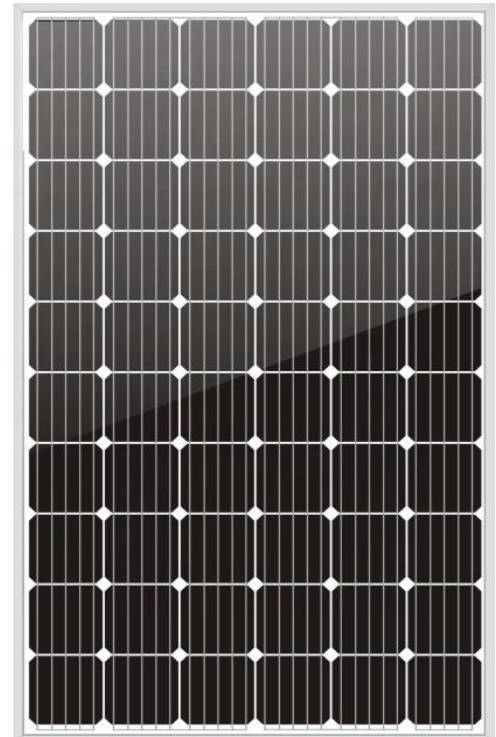
Severe Weather Resilience

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	STM6-315/60	STM6-320/60	STM6-325/60	STM6-330/60	STM6-335/60
Maximum Power (Pmax)	315	320	325	330	335
Maximum Power Voltage (Vmp)	33.20	33.44	33.60	33.80	34.00
Maximum Power Current (Imp)	9.48	9.59	9.68	9.77	9.87
Open-circuit Voltage (Voc)	40.70	40.90	41.10	41.30	41.50
Short-circuit Current (ISC)	10.04	10.15	10.20	10.31	10.36
Module Efficiency STC (%)	18.88	19.18	19.48	19.78	20.08
Power Tolerance	0-+5W	0-+5W	0-+5W	0-+5W	0-+5W

 **STC: Irradiance 1000W/m²**
 **Cell Temperature 25±2°C**
 **AM=1.5**

Mechanical Characteristics

Cell Type	Mono-crystalline 158.75*158.75mm full
No. of Cells	60 (6*10)
Dimensions	1665*1002*35mm
Weight	18.5kgs
Front Glass	3.2mm High Transmission Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output cables	4mm ² cable 300mm or customized
Connector	MC4 Compatible
Hailstone Impact Test	80Km/h for 25mm ice ball

Thermal Characteristics

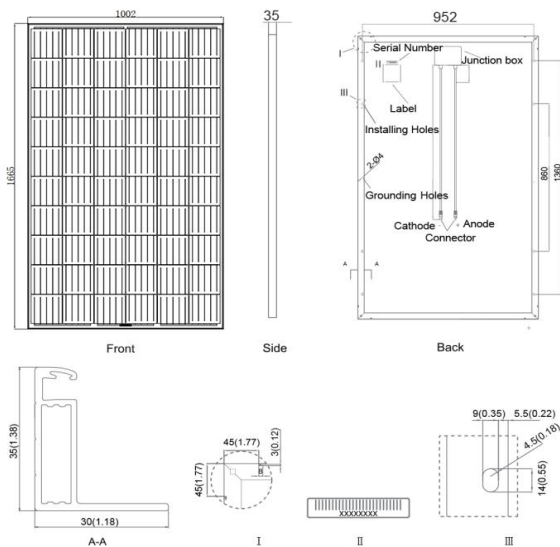
Nominal Operating Cell Temperature	45±2°C
Temperature coefficients of Pmax	-0.36%/°C
Temperature coefficients of Voc	-0.26%/°C
Temperature coefficients of Isc	+0.04%/°C

Packing Configuration

Container	40' HQ	Maximum Rating	Operating temperature	-40-+85°C
Pieces Per Pallet	31/6	Max System Voltage (IEC)	1500VDC	
Pallets Per CNTR.	28/14	Max System Voltage (BIS)	1500VDC	
Pieces Per CNTR.	952	Max Series Fuse Rating	20A	

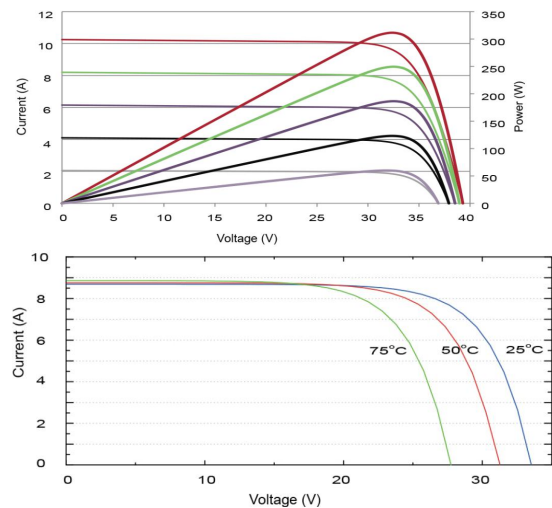
Engineering Drawing

*All dimensions in mm



I-V Curves

Current- Voltage & Power-Voltage Curves 315W



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