

MONO-CRYSTALLINE

STM6-XXX/72 5BB Series 360W-380W

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



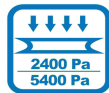
High Efficiency

Higher module conversion efficiency (up to 19.58%) 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.



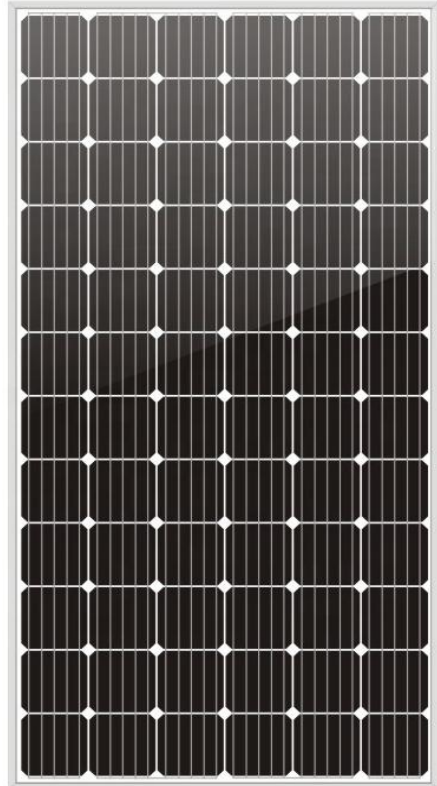
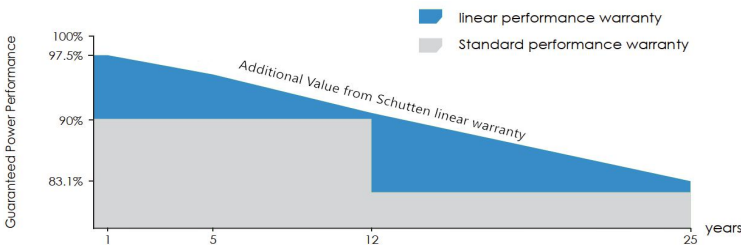
Severe Weather Resilience

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	STM6-360/72	STM6-365/72	STM6-370/72	STM6-375/72	STM6-380/72
Maximum Power (Pmax)	360	365	370.00	375	380
Maximum Power Voltage (Vmp)	33.12	39.46	39.56	39.75	39.82
Maximum Power Current (Imp)	9.15	9.25	9.37	9.45	9.55
Open-circuit Voltage (Voc)	39.98	47.91	48.41	48.49	49.18
Short-circuit Current (ISC)	9.87	9.83	9.89	9.99	10.24
Module Efficiency STC (%)	18.44	18.81	19.07	19.33	19.58
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 156.75*156.75mm full
No. of Cells	72 (6*12)
Dimensions	1956*992*40mm
Weight	18.0kgs
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

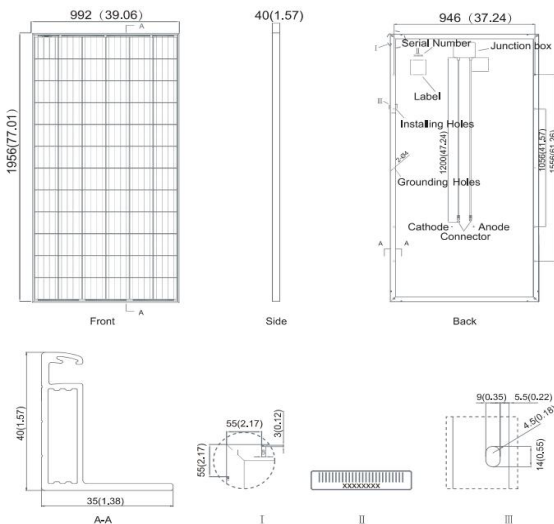
Thermal Characteristics

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	Maximum Rating
Container 40' HQ	Operating temperature -40-+85°C
Pieces Per Pallet 27/5	Max System Voltage (IEC) 1500VDC
Pallets Per CNTR. 24/12	Max System Voltage (BIS) 1500VDC
Pieces Per CNTR. 708	Max Series Fuse Rating 15A

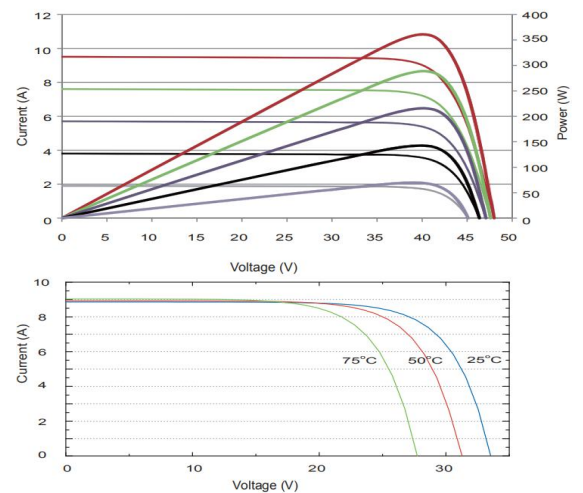
Engineering Drawing

*All dimensions in mm



I-V Curves

Current- Voltage & Power-Voltage Curves 370W



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