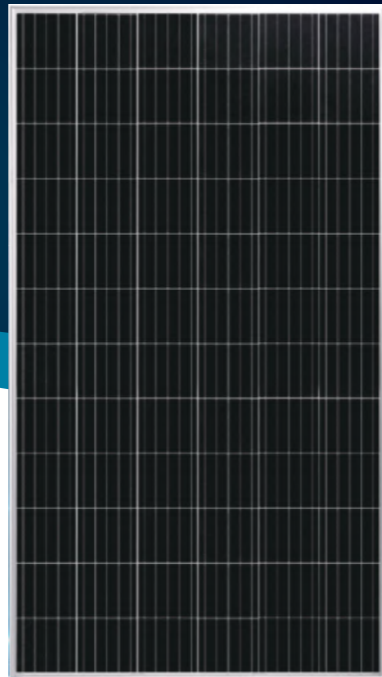


SM-72MC PERC 158.75 SERIES 72 CELLS

380-400w



20.17%
Max efficiency

15 YEARS

Guarantee on product material and workmanship



158.75mm
Monocrystalline solar cells

25 YEARS

Linear power output warranty

KEY FEATURES



100% double EL test enabling remarkable reduction of hidden crack rate of modules



Positive power tolerance (3 ~ +10W) guaranteed



Lower risk of hot spot effects



Significantly lower LCOE and BoS cost savings



Low Light Features
Higher performance under low light environment.



5BB Cell
More uniform current collection capability, reducing the current heat loss of the internal cells.



PID Protection
Ensure the attenuation probability caused by PID phenomenon is minimized

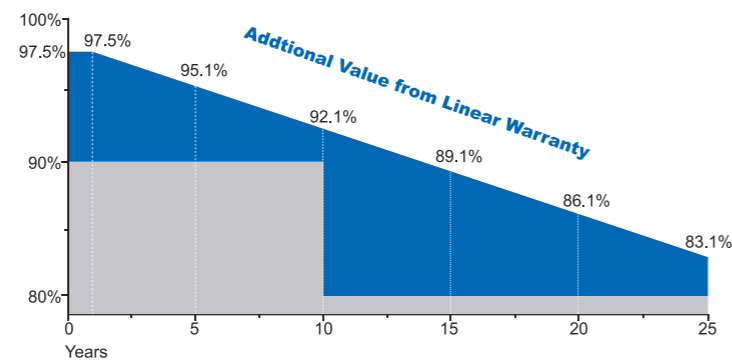
MANAGEMENT SYSTEM

ISO 9001: Quality management system

ISO 14001: Standard for environmental management system

OHSAS 18001: International standard for occupational health and safety assessment system

WARRANTY



INSURANCE



PRODUCT CERTIFICATES



MONO 72 CELLS | 5BB

Electric Characteristics

Model of modules	SM-380-72MC		SM-385-72MC		SM-390-72MC		SM-395-72MC		SM-400-72MC	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— P_{mp} (W)	380W	286W	385W	290W	390W	294W	395W	298W	400W	302W
Open-circuit voltage— V_{oc} (V)	48.8V	46.3V	49.1V	46.6V	49.3V	46.7V	49.5V	47.0V	49.6V	47.1V
Short-circuit current— I_{sc} (A)	10.04A	7.99A	10.12A	8.05V	10.23A	8.14A	10.31A	8.21A	10.42A	8.30A
Maximum power voltage— V_{mp} (V)	40.1V	37.8V	40.2V	37.9V	40.4V	38.1V	40.5V	38.2V	40.6V	38.3V
Maximum power current— I_{mp} (A)	9.48A	7.57A	9.58A	7.65A	9.66A	7.72A	9.76A	7.80A	9.86A	7.89A
Module efficiency— η_m (%)	19.16%		19.42%		19.67%		19.92%		20.17%	

STC: Irradiance 1000 W/m², 25°C, AM1.5

NOCT: Irradiance 800 W/m², 20°C, wind velocity 1m/s

Temperature Characteristics

Temperature coefficient at maximum power	-0.37% / C
Temperature coefficient of Voc	-0.28% / C
Temperature coefficient of Isc	+0.048% / C
Current operating temperature	-40~+85 °C
Rated operating temperature of cells	45±2 °C

Structural Characteristics

Module dimensions	1979x1002x40mm
Weight	21kg
No. of cells	72
Cell	Mono crystalline 158.75x158.75mm
Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, three diodes
Output wire	4.0 mm ² , wire length: 1200mm or Customized
Connector	MC4 compatible
Mechanical load	Snow load 5400Pa/Wind load 2400Pa

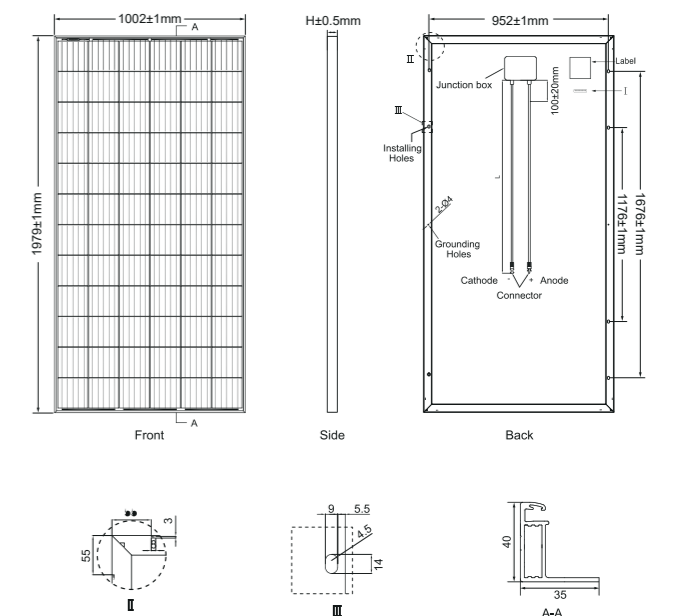
Working Characteristics

Power tolerance(W)	(3,+10)
Maximum system voltage(V)	1000V/1500V
Maximum rated fuse current (A)	20

Packaging Configuration

Container	20GP	40HQ
Quantity per pallet	26	27
Pallets per container	10	22
Quantity per container	260	660

Engineering Drawings



IV Curves

