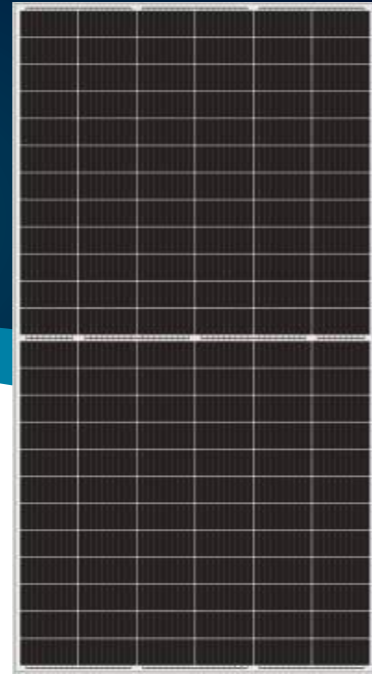


SM-72 MHC HALF CELL SERIES 144 CELLS

390-410_w



20.38%
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/9BB 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

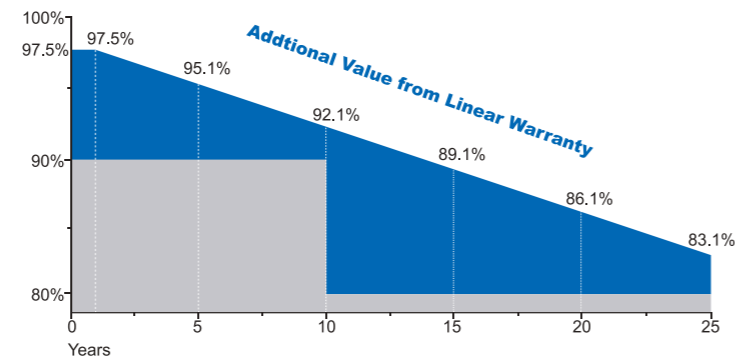
MANAGEMENT SYSTEM

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

PICC

PRODUCT CERTIFICATES



MONO HALF CELL | 9BB&5BB

Electric Characteristics

Model of modules	SM-390-72MHC		SM-395-72MHC		SM-400-72MHC		SM-405-72MHC		SM-410-72MHC	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— P_{mp} (W)	390W	294W	395W	298W	400W	302W	405W	306W	410W	310W
Open-circuit voltage— V_{oc} (V)	49.3V	48.0V	49.5V	48.2V	49.8V	48.5V	50.1V	48.7V	50.4V	48.9V
Short-circuit current— I_{sc} (A)	10.12A	8.02A	10.23A	8.09A	10.36A	8.16A	10.48A	8.22A	10.60A	8.26A
Maximum power voltage— V_{mp} (V)	41.1V	39.1V	41.4V	39.3V	41.7V	39.6V	42.0V	39.8V	42.3V	40.0V
Maximum power current— I_{mp} (A)	9.49A	7.54A	9.55A	7.60A	9.60A	7.66A	9.65A	7.72A	9.69A	7.76A
Module efficiency— η_m (%)	19.38%		19.63%		19.88%		20.13%		20.38%	

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	-0.36%/ °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	2008x1002x40mm
Weight	22.5kg
No. of Half-cells	144(6x24)
Cell	Mono crystalline 158.75x79.38mm
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

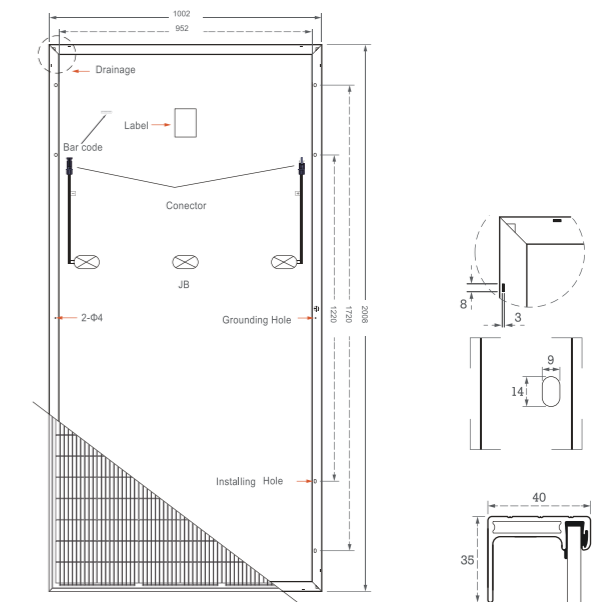
Working Characteristics

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

