

# SP400M-72 SERIES

## Mono PERC Large Cells 380W-400W

10

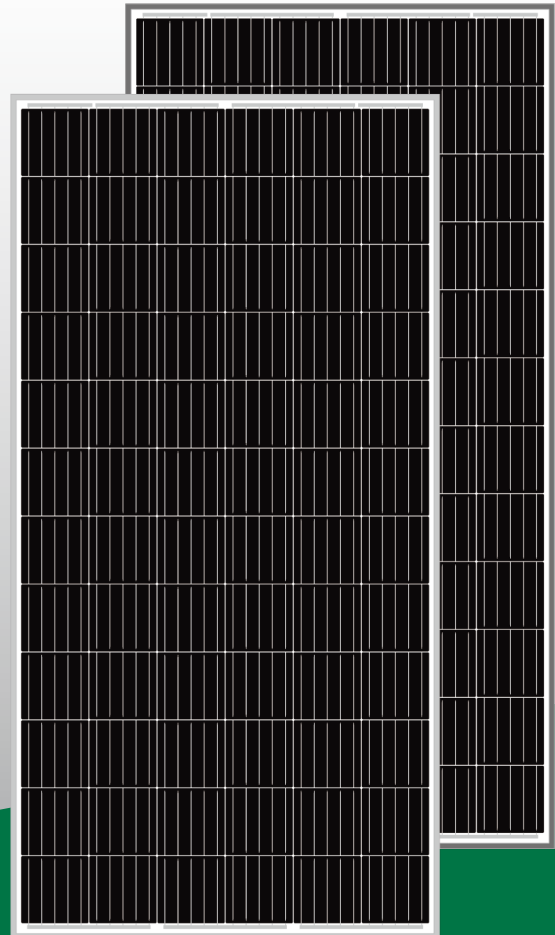
10-year product workmanship warranty

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10-year guarantee for 90% rated power

25

25-year guarantee for 80% rated power



### Excellent power generation performance

Guaranteed 0~+5W positive rated power tolerance ensures more power generation every day



### Long weather resistance

Excellent anti-PID(Potential Induced Degradation)  
Certified in fireproofing for safety



### Stable mechanical performance

Passed rigorous hail test  
Withstands 5400Pa snow and 2400Pa wind loads



### Lower temperature coefficient

Improved temperature coefficient decreases power loss in the high temperature application.



### Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



### Superior quality control

ISO 9001:2015 Quality Management System  
100% EL and appearance inspection

# MONOCRYSTALLINE 60 CELLS SOLAR MODULE 380W-400W

## ELECTRICAL DATA(STC)

Module	SP380M-72	SP385M-72	SP390M-72	SP395M-72	SP400M-72
Peak Power Watts(Pmax/W)	380	385	390	395	400
Power Output Tolerance(W)	0 ~ +5				
Maximum Power Voltage(Vmp/V)	40.5	40.8	41.1	41.4	41.7
Maximum Power Current(Imp/A)	9.39	9.44	9.49	9.55	9.60
Open Circuit Voltage(Voc/V)	48.9	49.1	49.3	49.5	49.8
Short Circuit Current(Isc/A)	9.75	9.92	10.12	10.23	10.36
Module Efficiency(%)	19.16	19.42	19.67	19.92	20.17

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.

\*Measuring tolerance: ±3%.

## ELECTRICAL DATA(NOCT)

Maximum Power(Pmax/W)	286	290	294	298	302
Maximum Power Voltage(Vmp)	38.6	38.8	39.1	39.3	39.6
Maximum Power Current(Imp)	7.42	7.48	7.54	7.60	7.66
Open Circuit Voltage(Voc)	47.5	47.7	48.0	48.2	48.5
Short Circuit Current(Isc)	7.88	7.95	8.02	8.09	8.16

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## MECHANICAL DATA

Solar Cells	Mono PREC 158.75 × 158.75 mm (6 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1979 × 1002 × 40 mm (77.91 × 39.45 × 1.57 inches)
Weight	22.5 kg (49.6 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver / Black Anodized Aluminium Alloy
Junction Box	IP 67 or IP 68 rated
Cables	TÜV 1×4.0mm <sup>2</sup> , Length 1200mm or Customized Length
Connector	MC4

## TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of Pmax	- 0.37%/°C
Temperature Coefficient of Voc	- 0.28%/°C
Temperature Coefficient of Isc	+0.048%/°C

## WARRANTY

10 year Product Workmanship Warranty

25 year Linear Power Warranty

(Please refer to product warranty for details)

## MAXIMUM RATINGS

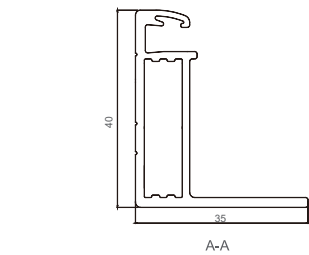
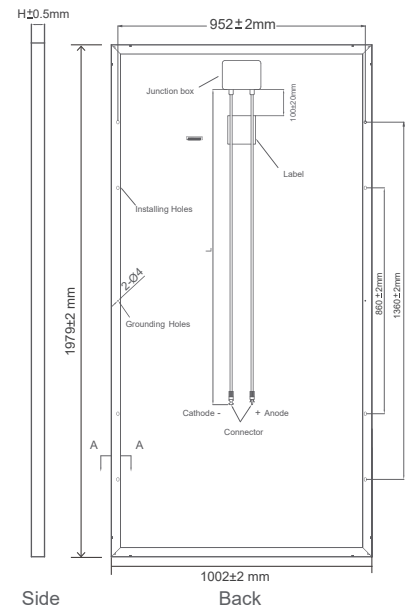
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
	1500V DC (UL)
Max Series Fuse Rating	20A

## PACKAGING CONFIGURATION

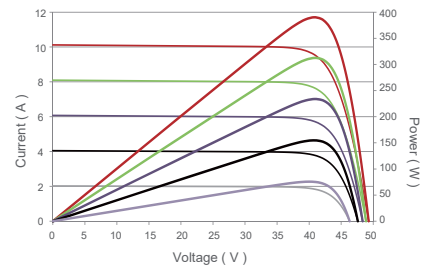
Modules per box: 27 pieces

Modules per 40' container: 648 pieces

## DIMENSIONS OF PV MODULE(mm)



## Current-Voltage & Power-Voltage Curves (390W)



## Temperature Dependence of Isc, Voc, Pmax

