

## SP430M-72 SERIES

Mono PERC Large Cells 410W-430W

10

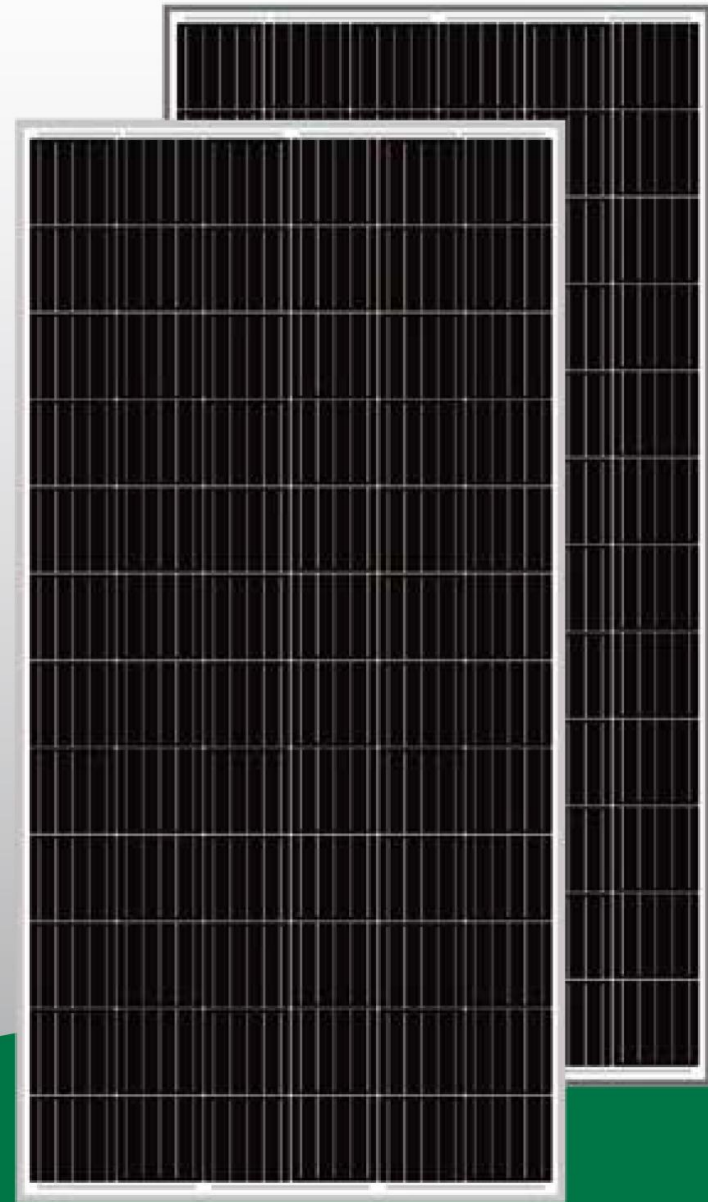
10-year product workmanship warranty

10

10-year guarantee for 90% rated power

25

25-year guarantee for 80% rated power



+5Wp

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

\*\*\*

**Stable mechanical performance**  
Passed rigorous hail test  
Withstands 5400Pa snow and 2400Pa wind loads

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

PID

**Long weather resistance**  
Excellent anti-PID(Potential Induced Degradation)  
Certified in fireproofing for safety

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

**Superior quality control**  
ISO 9001:2015 Quality Management System  
100% EL and appearance inspection

MONOCRYSTALLINE 72 CELLS  
**SOLAR MODULE 410W-430W**

**ELECTRICAL DATA(STC)**

Module	SP410M-72	SP415M-72	SP420M-72	SP425M-72	SP430M-72
Peak Power Watts(Pmax/W)	410	415	420	425	430
Power Output Tolerance(W)	0~+5				
Maximum Power Voltage(Vmp/V)	42.30	42.60	42.90	43.20	43.50
Maximum Power Current(Imp/A)	9.70	9.75	9.80	9.85	9.89
Open Circuit Voltage(Voc/V)	50.40	50.70	51.00	51.30	51.60
Short Circuit Current(Isc/A)	10.66	10.83	10.98	11.12	11.27
Module Efficiency(%)	19.69	19.93	20.18	20.42	20.65

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)	330	334	338	342	346
Maximum Power Voltage(Vmp)	40.10	40.30	40.50	40.80	41.10
Maximum Power Current(Imp)	8.22	8.29	8.35	8.39	8.40
Open Circuit Voltage(Voc)	49.10	49.40	49.70	50.00	50.30
Short Circuit Current(Isc)	8.31	8.38	8.45	8.52	8.59

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	2008 × 1002 × 35mm
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

**MAXIMUM RATINGS**

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

**WARRANTY**

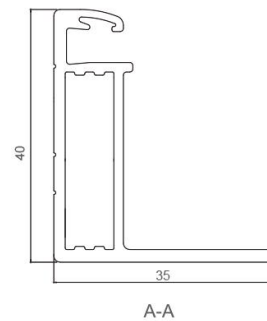
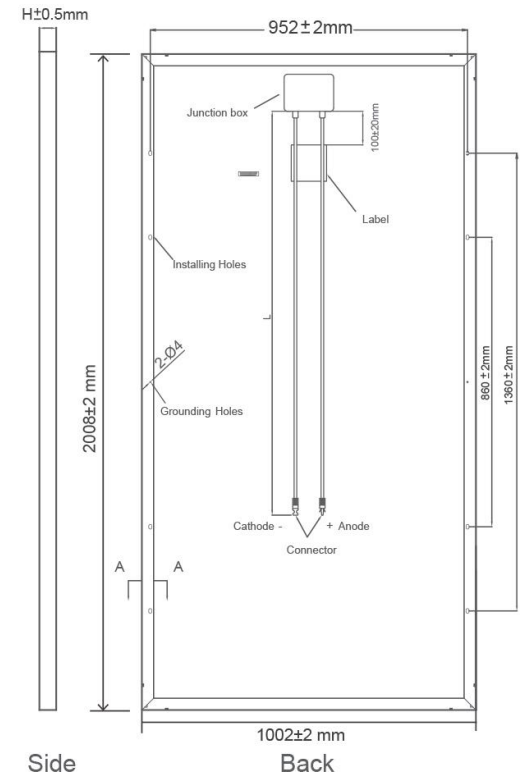
10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

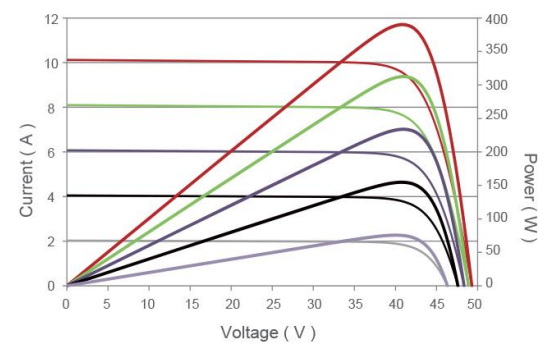
**PACKAGING CONFIGURATION**

Modules per box: 27 pieces
Modules per 40' container: 648 pieces

**DIMENSIONS OF PV MODULE(mm)**



**Current-Voltage & Power-Voltage Curves (395W)**



**Temperature Dependence of Isc, Voc, Pmax**

