

430M-72 SERIES

Mono PERC Large Cells 410W-430W



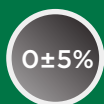
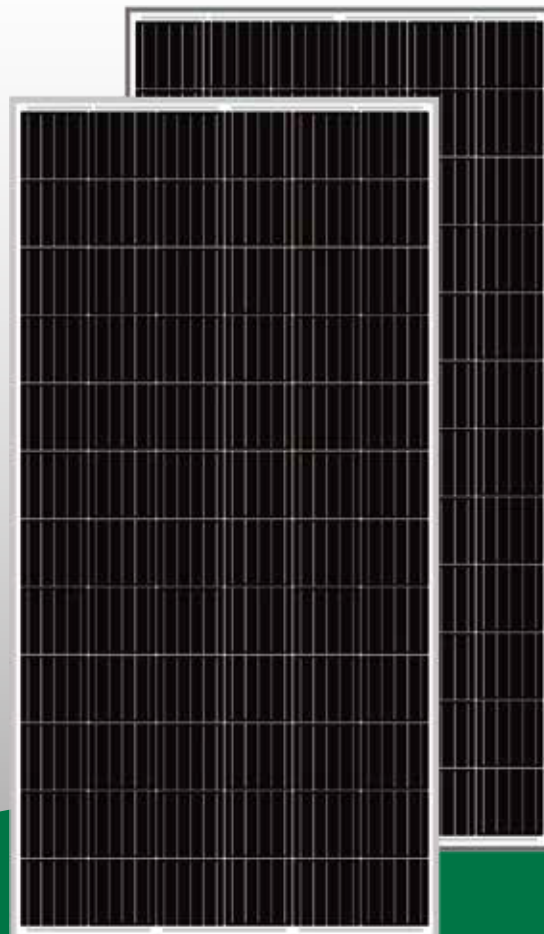
25 25-year product
workmanship warranty



25 25-year guarantee
for 90% rated power



30 30-year guarantee
for 80% rated power



Excellent power generation performance

Guaranteed 0±5% 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.



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

ELECTRICAL DATA(STC)

Module	410M-72	415M-72	420M-72	425M-72	430M-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:Irradiance1000W/m²,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/m², 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 × 40 mm
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, Length 1200mm or Customized Length
Connector	MC4

TEMPERATURE RATINGS

NOCT	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

- 15 year Product Workmanship Warranty
- 25 year Linear Power Warranty

(Please refer to product warranty for details)

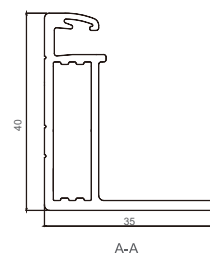
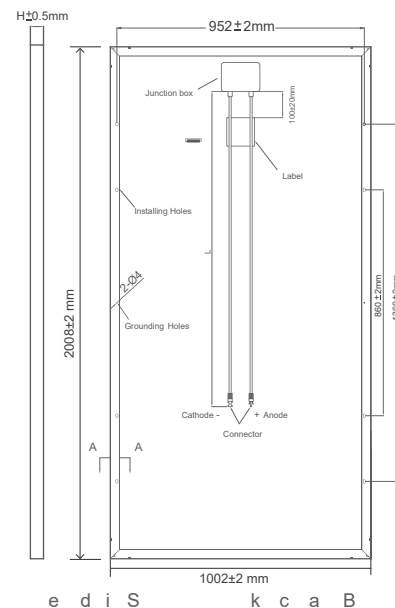
MAXIMUM RATINGS

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

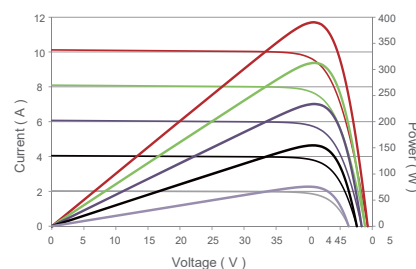
PACKAGING CONFIGURATION

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

DIMENSIONS OF PV MODULE(mm)



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



Temperature Dependence of Isc, Voc, Pmax

