

MS M-72p

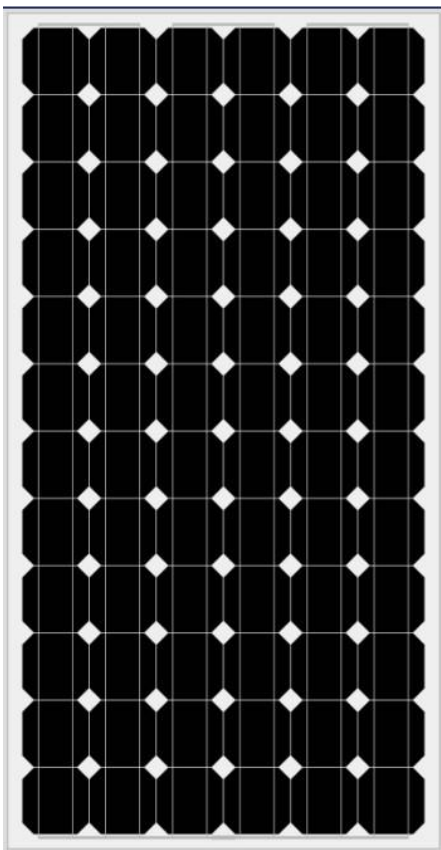
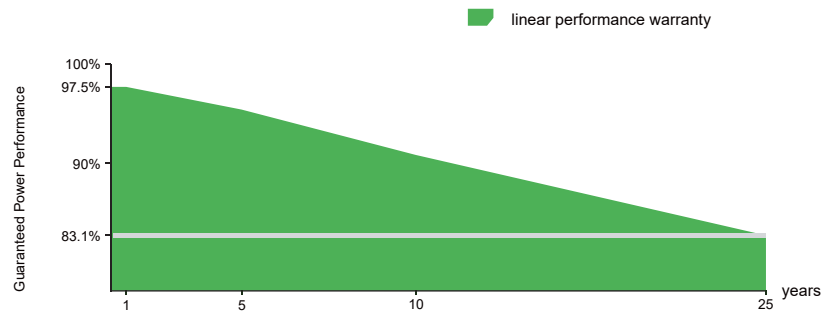
395-415 Watt

Mono-crystalline Solar Panel

Maximum Power	415W
Power Tolerance	0~+3W
Maximum Efficiency	20.71%

Performance Warranty

10 Year Product Warranty • 25 Year Linear Power Warranty



KEY FEATURES



High efficiency

High module conversion efficiency (up to 20.71%) benefit from low resistance characteristic



High reliability

- Ensured PID resistance through cell process and module material control

- Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas

- Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



Excellent low light performance

Outstanding power output performance in the morning, evening, rainy days, etc.



Support 1500V system

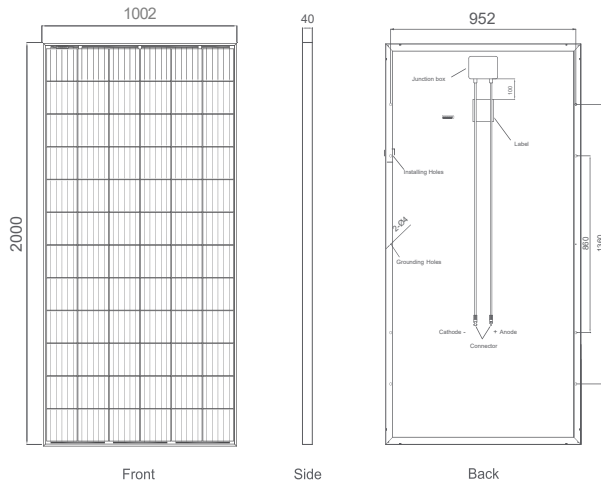
Increase the number of solar panels in the series circuit, so as to reduce the overall cost of the power station

Certificates: TUV, CQC, CE, IEC, ISO9001, ISO14001, OHSAS18001



Mono 72pcs 395-415W

Dimensions



Specifications (STC)

	395Wp	400Wp	405Wp	410Wp	415Wp
Maximum Power (Pmax)	395Wp	400Wp	405Wp	410Wp	415Wp
Maximum Power Voltage (Vmp)	41.4V	41.7V	42V	42.3V	42.6V
Maximum Power Current (Imp)	9.48A	9.54A	9.6A	9.66A	9.72A
Open-circuit Voltage (Voc)	49.6V	49.8V	50.1V	50.4V	50.7V
Short-circuit Current (Isc)	10.3A	10.39A	10.48A	10.76A	10.87A
Module Efficiency STC (%)	19.71%	19.96%	20.21%	20.46%	20.71%

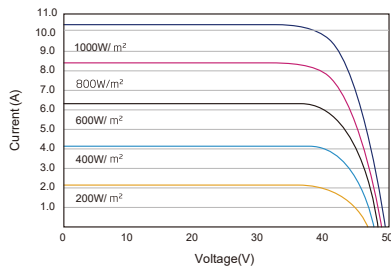
At standard test conditions (STC): Irradiance 1000w/m², Cell temperature 25 C, AM=1.5

Specifications (NOCT)

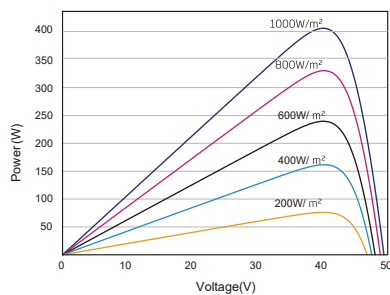
	395Wp	400Wp	405Wp	410Wp	415Wp
Maximum Power (Pmax)	298Wp	302Wp	306Wp	310Wp	314Wp
Maximum Power Voltage (Vmp)	39.3V	39.6V	39.9V	41.1V	41.4V
Maximum Power Current (Imp)	7.60A	7.66A	7.72A	7.78A	7.84A
Open-circuit Voltage (Voc)	48.2V	48.5V	48.7V	49V	49.3V
Short-circuit Current (Isc)	8.09A	8.16A	8.23A	8.3A	8.37A

NOCT: Irradiance 800W/m², Ambient temperature 20 C, Wind speed 1m/s, AM=1.5

I-V Curve (405W)



P-V Curve (405W)



Packaging Configuration

(Two pallets = One stack)

27pcs/pallet, 54pcs/stack, 540pcs/40'HQ Container

Mechanical Data

Cell Type	Mono PERC cell
Cell number	72(6×12)
Weight	22.5kg(49.6lbs)
Dimensions	2000*1002*40mm (78.74×39.45×1.57 inch)
Front Cover	3.2mm low iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1x4.0mm ² , (+) 290mm, (-) 145mm or Customized Length

Maximum Ratings

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage	1500VDC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0~+3W
Temperature Coefficients of Pmax	-0.37%/°C
Temperature Coefficients of Voc	-0.28%/°C
Temperature Coefficients of Isc	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C