

# MS-M500(100) HC 500 Watt

MONO PER HALF CELL MODULE

Positive power tolerance of 0 to +3%

- Half Cell
- Mono PERC cell

## PERC



## KEY FEATURES

### ● 12 Busbar Solar Cell

12 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.

### ● High Efficiency

Higher module conversion efficiency (up to 20.85%) benefit from half cell structure (low resistance characteristic).

### ● PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.

### ● Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

### ● Severe Weather Resilience

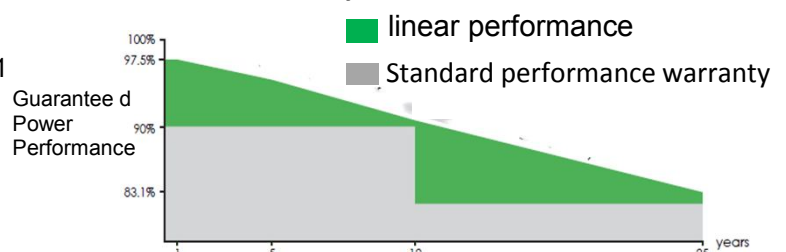
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



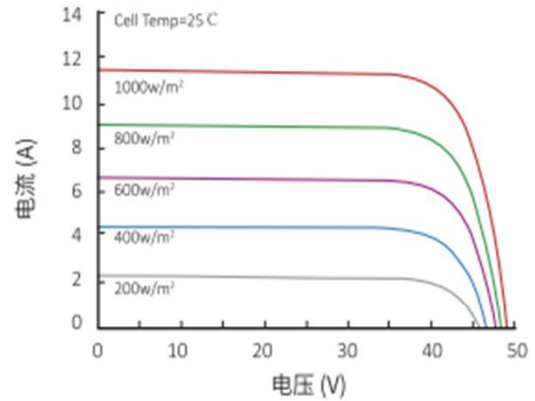
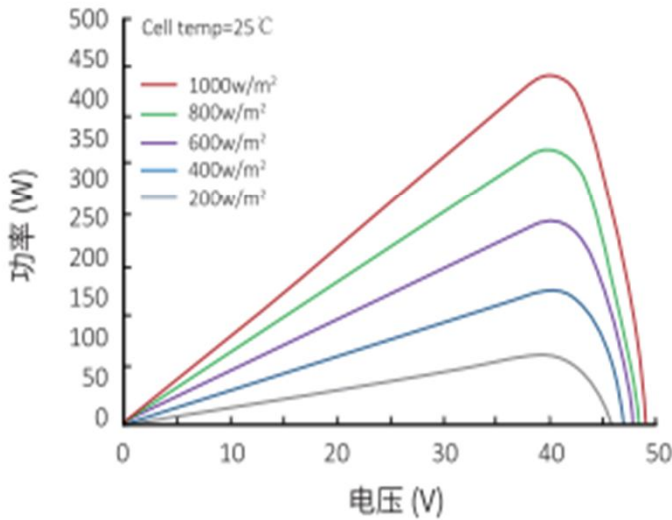
- ISO9001:2015, ISO14001:2015, OHSAS18001 certified factory
- IEC61215, IEC61730 certified product

## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty, 25 Year Linear Power



## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type Mono Perc 210 \*105mm

No. of Half-cells 100(5×20)

Dimensions 2185×1098×35mm

Weight 27.5KGS

Front Glass 3.2mm Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass

Frame Anodized Aluminium Alloy

Junction Box IP67 Rated

Output Cables TÜV 1x4.0mm<sup>2</sup>

## Packaging Configuration

31pcs/pallet  
(Two pallets=One stack)

## SPECIFICATIONS

Module Type MS-M500(100)

STC

Voltage at Maximum Power ( $V_{mp}$ ) 28.53V

Maximum Power Current ( $I_{mp}$ ) 17.53A

Open-circuit Voltage ( $V_{oc}$ ) 34.47V

Short-circuit Current ( $I_{sc}$ ) 18.43A

Module Efficiency STC (%) 20.85%

Operating Temperature ( $^{\circ}C$ )  $-40^{\circ}C \sim +85^{\circ}C$

Maximum System Voltage 1500VDC (IEC)

Maximum Series Fuse Rating 30A

Power Tolerance 0~+3%

Temperature Coefficient of  $V_{mp}$   $-0.35\%/^{\circ}C$

Temperature Coefficient of  $V_{oc}$   $-0.29\%/^{\circ}C$

Temperature Coefficient of  $I_{sc}$   $0.048\%/^{\circ}C$

Nominal Operating Cell Temperature (NOCT)  $45 \pm 2^{\circ}C$

STC  Irradiance

 Cell Temperature

 AM=1.5

The company reserves the final right for explanation on any of the information presented hereby.