

# MS-M450(144) HC 72M 450 Watt

MONO PER HALF CELL MODULE

Positive power tolerance of 0 to +3%

- Half Cell
- Mono PERC 72 cell

## PERC



## KEY FEATURES

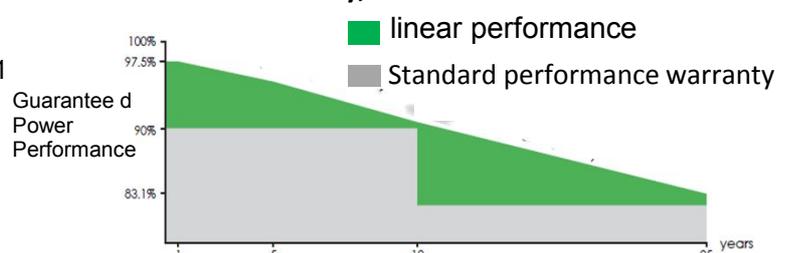
- **9 Busbar Solar Cell**  
9 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.
- **High Efficiency**  
Higher module conversion efficiency (up to 19.88%) benefit from half cell structure (low 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).



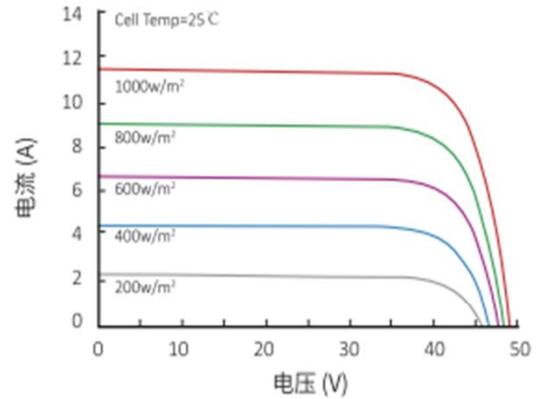
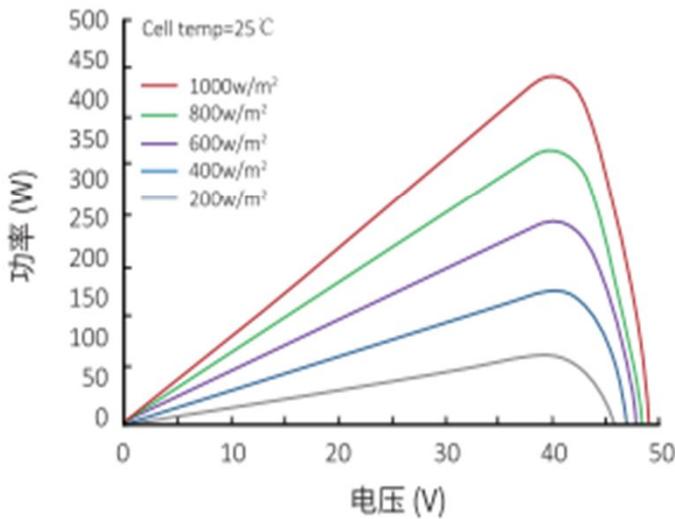
- ISO9001:2015, ISO14001:2015, OHSAS18001 certified factory
- IEC61215, IEC61730 certified product

## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty, 25 Year Linear Power



## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type Mono Perc 166 \*166mm

No. of Half-cells 144(6×24)

Dimensions 2094×1038×35mm

Weight 25KGS

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

Frame Anodized Aluminium Alloy

Junction Box IP67 Rated

Output Cables TÜV 1x4.0mm2

## Packaging Configuration

31pcs/pallet  
(Two pallets=One stack)

## SPECIFICATIONS

Module Type	MS-M450(144)
	STC
Maximum Power (Pmax)	41.2V
Maximum Power Current (Imp)	10.92A
Open-circuit Voltage (Voc)	49.4V
Short-circuit Current (Isc)	11.74A
Module Efficiency STC (%)	20
Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage	1000/1500VDC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0~+3%
Temperature Coefficientsof max	-0.35%/°C
Temperature Coefficients of Voc	-0.29%/°C
Temperature Coefficients of Isc	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C
STC  Irradiance	 Cell Temperature
	 AM=1.5

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