

# MS-M400(120)HC

## 400 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0 to +3%

- Half Cell
- Mono PERC 210mm Cell



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

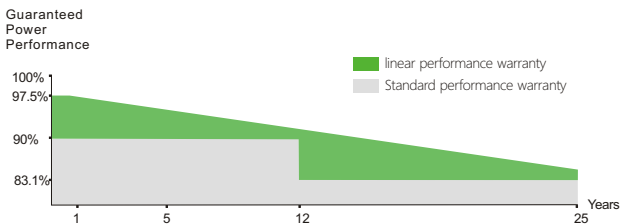
## PERC

## KEY FEATURES

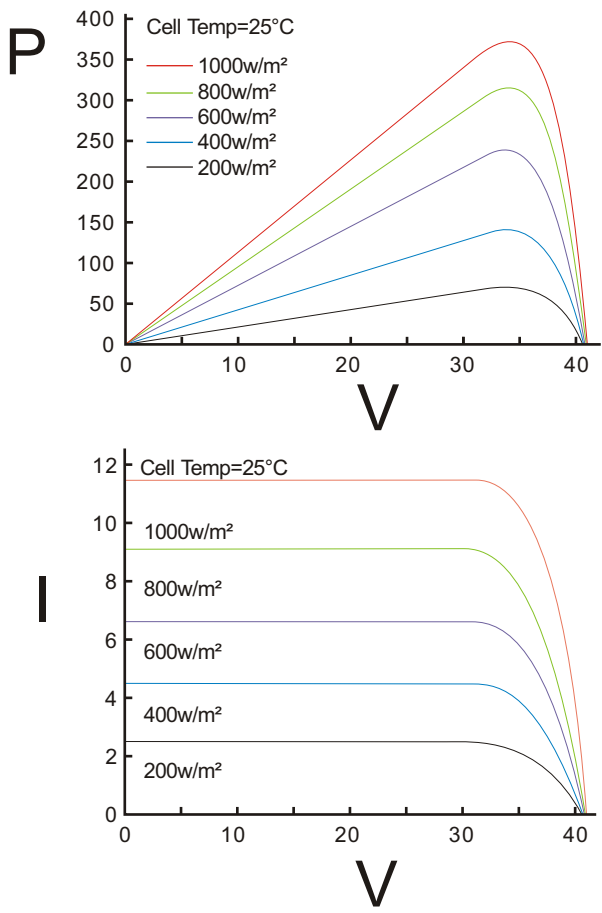
- **10 Busbar Solar Cell**  
10 busbar solar cell adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance, making it perfect for rooftop installation.
- **High Efficiency**  
Higher module conversion efficiency (up to 20.18%) benefit from half cellstructure (low 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).
- **Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV.

## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty, 25 Year Linear Power Warranty



## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono 210*70 10BB
No. of Half-cells	120(5×24)
Dimensions	1792×1106×30mm(±2mm)
Weight	21.0kg±3%
Cable Cross Section Size	4mm² cable approx 30 cm, MC-4 compatible
Front Glass	3.2mm Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	Ip67, 3 diodes
Output Cables	TÜV 1x4.0mm²

## Packaging Details

Container Type	40'HQ
No. Of Pallets	24
Pieces per Pallet	36
Total quantity of modules	864

## SPECIFICATIONS

Module Type	MS-M400(120)
Data under Condition	STC
Maximum Power Voltage(Vmp)	34.20V
Maximum Power Current (Imp)	11.70A
Open-circuit Voltage (Voc)	41.20V
Short-circuit Current (Isc)	12.28A
Module Efficiency STC (%)	20.18
Operating Temperature ( )	-40°C+85°C
Maximum System Voltage	1000/1500VDC (IEC)
Maximum Series Fuse Rating	30A
Selection	0 ~ +5W
Nominal Front Load	5400 Pa
Nominal Rear Load	2400 Pa
Class of Protection	II
Power Tolerance	0~+3%/°C
Temperature Coefficients of max power	-0.37%/°C
Temperature Coefficients of Voc	-0.28%/°C
Temperature Coefficients of Isc	0.05%/°C
Nominal Operation Cell Temperature(NOCT)	45±2°C

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