

# MS-M550(110)HC 550 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0 to +3%

- Half Cell
- Mono PERC 210mm Cell

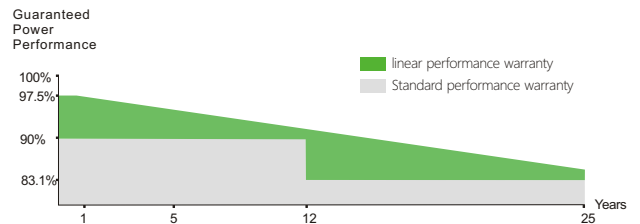
## PERC

### 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 21.05%) 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).
- **Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV.

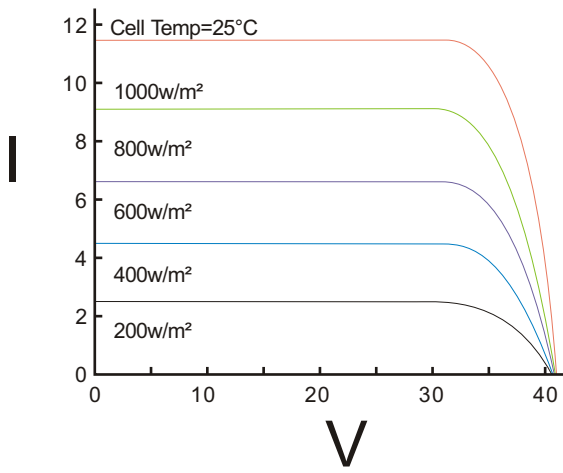
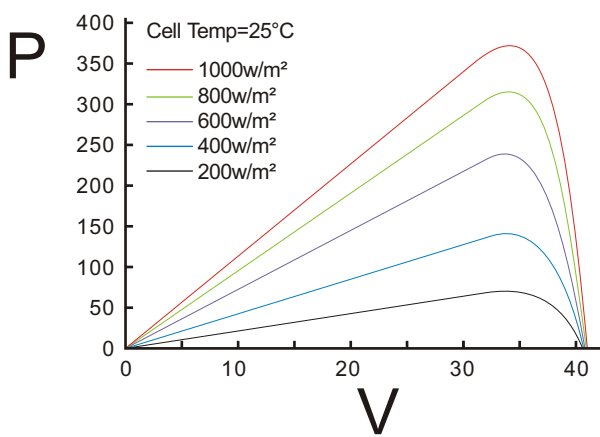
### LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty, 25 Year Linear Power Warranty



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

### Electrical Performance & Temperature Dependence



### Mechanical Characteristics

Cell Type	Mono 210*105 12BB
No. of Half-cells	110(5*22)
Dimensions	2384*1096*35mm(±2mm)
Weight	28.6kg±3%
Cable Cross Section Size	4mm <sup>2</sup> 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 1x4.0mm <sup>2</sup>

### Packaging Details

Container Type	40'HQ
No. Of Pallets	20
Pieces per Pallet	31
Total quantity of modules	620

### SPECIFICATIONS

Module Type	MS-M550(110)
Data under Condition	STC
Maximum Power Voltage(Vmp)	31.60V
Maximum Power Current (Imp)	17.40A
Open-circuit Voltage (Voc)	37.90V
Short-circuit Current (Isc)	18.52A
Module Efficiency STC (%)	21.05
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.