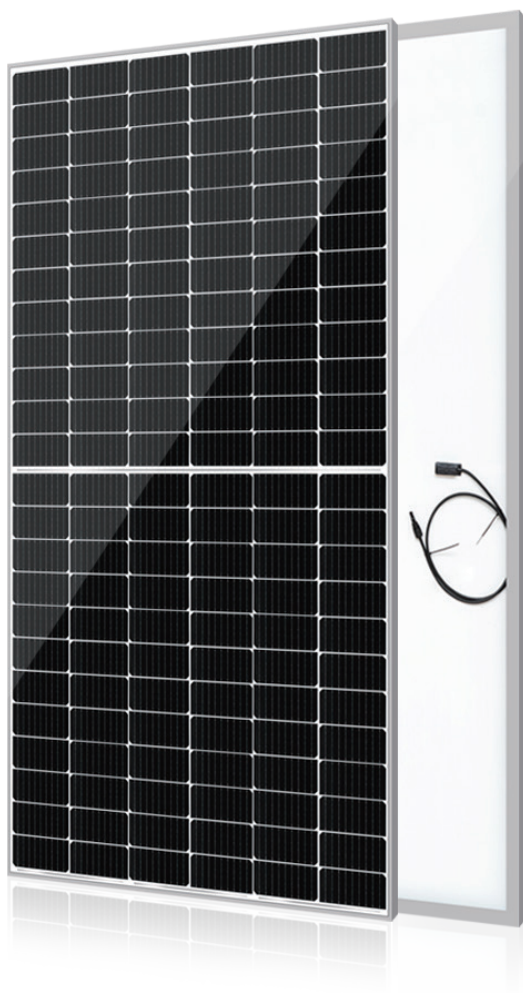
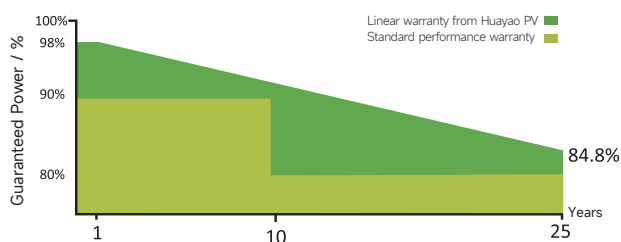


545~550W HY545~550-M144BSS



LINEAR PERFORMANCE WARRANTY

- 15** Year Product Warranty
- 25** Year Linear Power Warranty



Hyper M72

Mono-facial
144-cell, MBB
±3% power tolerance

KEY FEATURES



MBB half cell design

Half-cut cells bring lower cell connection loss and lower thermal coefficients to ensure higher power output



More Power

Innovative 182mm big cell applied to ensure module power up to 550 Wp



High Reliability

Strict outsourcing BOM materials quality control and 100% in-house wafer and cell applied to module production



Excellent Low-light Performance

Advanced solar cell surface texturing technology allows for excellent performance in low-light environments



Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load



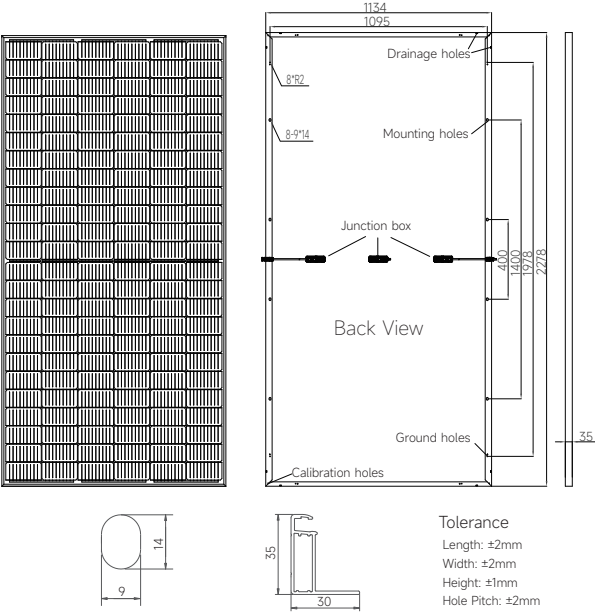
PID Resistant(Available on Request)

Excellent PID resistance performance optimized by unique cell process design and BOM material control

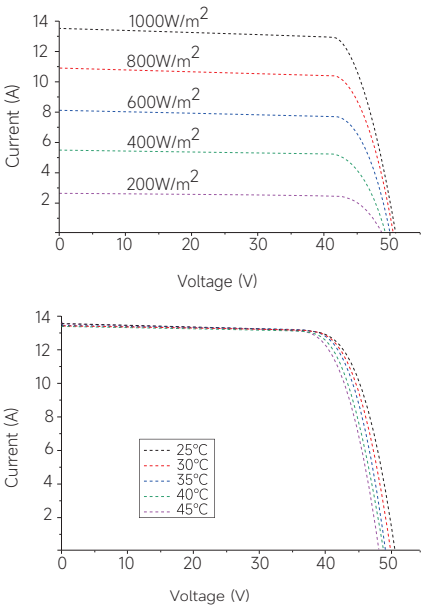
IEC 61215 (2016), IEC 61730 (2016)



Engineering Drawings



I-V Curves



Electrical Characteristics

	HY545-M144BSS	HY550-M144BSS
Pmax(W)	545	550
Vmp(V)	42.25	42.48
Imp(A)	12.90	12.95
Voc (V)	49.99	50.11
Isc(A)	13.79	13.89
Module efficiency(%)	20.90	21.09
Maximum system voltage(V)	1500	
Fuse Rating(A)	25	
Temperature coefficient Pmax(%°C)	-0.350	
Temperature coefficient Isc(%°C)	0.05	
Temperature coefficient Voc(%°C)	-0.275	

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

Working Characteristics

	HY545-M144BSS	HY550-M144BSS
Pmax(W)	413	416
Vmp(V)	39.10	39.31
Imp(A)	10.55	10.59
Voc(V)	46.51	46.62
Isc(A)	11.22	11.30
Power tolerance(%)	±3	
NOCT(°C)	44	

NOCT: Conditions: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Mechanical Characteristics

Number of cells	144 pcs
Size of cell (mm)	182*91
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2278*1134*35
Weight (kg)	27
Cables/connectors	4mm², Genuine MC4-EVO
Length of Cable	Portrait: +300mm/ -300mm

Packing Configuration

Pieces per pallet	31
Size of packing (mm)	2320*1140*1275
Weight of packing (kg)	887
Pieces per container	620
Size of container	40' HQ

Maximum Ratings

Fire Rating	Class C (IEC 61730)
Operating Temperature(°C)	-40~85
Operating humidity(°C)	5-85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

