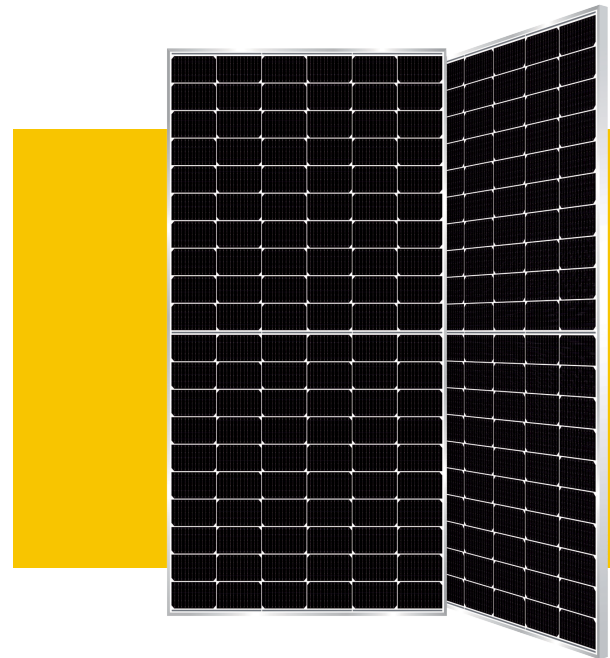


MSMDxxxM6-HJT120DS
380-400W
120-cell Bifacial HJT Half Cell Solar Module

Product Advantages
HJT

 Heterojunction
Technology

M6

166mm Cell

22.0%

 Module
efficiency

400W

 Highest
power output

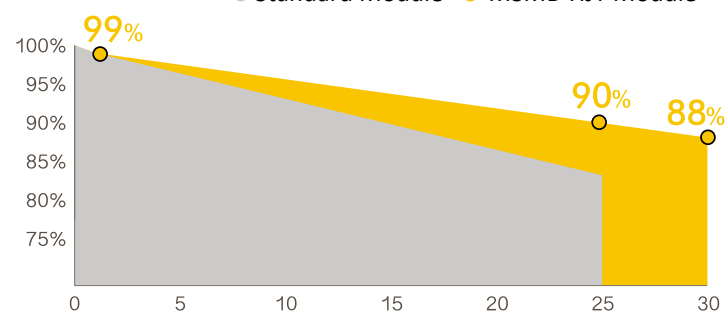
SMBB

 SMBB Half-Cut
Cell Technology


Up to 85% Bifaciality

Performance Warranty

● Standard Module ● MSMD HJT Module


-1.00%

First year power degradation

-0.375%

Annual degradation

15
Years

 Materials and
workmanship warranty

30
Years

 Linear power
warranty

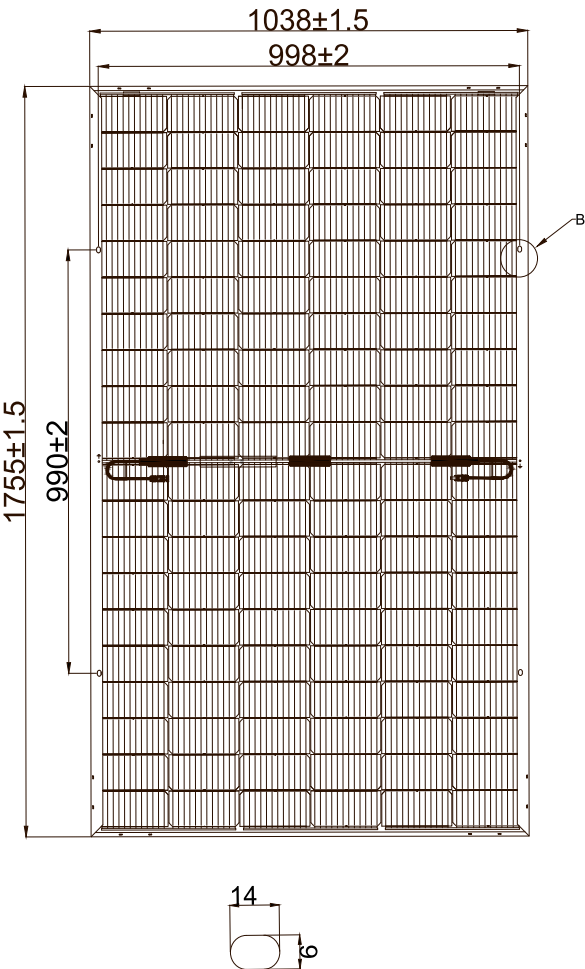
 Reliable · Durable
· Sustainable

Product Certification


MSMDxxxM6-HJT120DS

Engineering Drawings

Unit: mm



Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature coefficient of Pmax	-0.26%/°C
Temperature coefficient of Voc	-0.24%/°C
Temperature coefficient of Isc	0.04%/°C

Safety & Warranty

Safety Class	Fire Class A
Product Warranty	15 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty*

* 1st year 99%, after 2nd year 0.375% annual degradation to year 30.

Electrical Characteristics (STC*)

MSMDxxxM6-HJT120DS	380	385	390	395	400
Maximum Power (Pmax)	380W	385W	390W	395W	400W
Module Efficiency (%)	20.9%	21.1%	21.4%	21.7%	22.0%
Optimum Operating Voltage (Vmp)	37.52V	37.70V	37.91V	38.16V	38.36V
Optimum Operating Current (Imp)	10.14A	10.22A	10.30A	10.36A	10.44A
Open Circuit Voltage (Voc)	44.22V	44.35V	44.48V	44.61V	44.74V
Short Circuit Current (Isc)	10.50A	10.56A	10.62A	10.68A	10.74A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	20A				
Power Tolerance	0~+5W				
Bifaciality	80% ± 5%				

*STC: Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5. Tolerance of Pmax is within +/- 3%.

BSTC**

Maximum Power (Pmax)	420W	425W	430W	435W	440W
Optimum Operating Voltage (Vmp)	38.31V	38.50V	38.67V	38.93V	39.20V
Optimum Operating Current (Imp)	11.09A	11.13A	11.18A	11.23A	11.28A
Open Circuit Voltage (Voc)	45.34V	45.61V	45.94V	46.81V	47.51V
Short Circuit Current (Isc)	11.49A	11.53A	11.57A	11.61A	11.65A

**BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25 °C.

Mechanical Characteristics

Cell Type	HJT Mono 166×83mm
Cell Connection	120 (60×2)
Module Dimension	1755×1038×30 mm
Weight	23.5 kg
Junction Box	IP67 / IP68
Output Cable	4mm²,1200mm in length, length can be customized / UV Resistant
Connectors Type	MC4 Compatible
Frame	Anodised Aluminum Alloy
Encapsulant	POE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 2.0mm Anti-reflective surface Solar glass (B) 2.0mm Solar glass

Shipping Configurations

	HC	GP
Container Length	40'	20'
Pallets Per Container	26	6
Modules Per Pallet (pcs)	36	36
Modules Per Container (pcs)	936	216