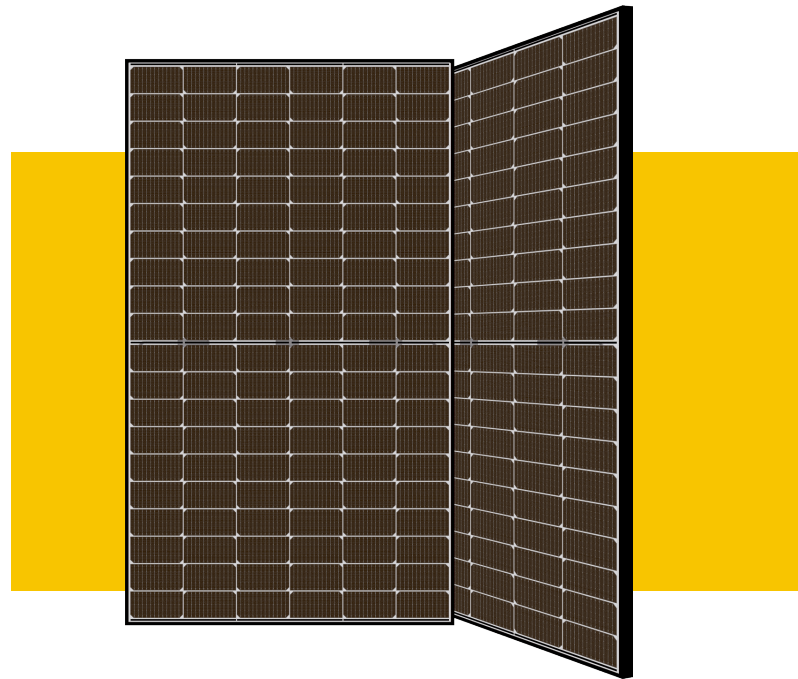


MSMDxxxM6-HJT120DSN

380-400W

120-cell Bifacial Transparent HJT HCC Solar Module



Product Advantages

22% Industrial Benchmark
Up to 22% efficiency for black module

SMBB SMBB HJT Half-Cut Technology
Unique 12BB HJT Cell with Half-cut design

Aesthetic Design
Black but transparent outfit, elegant for any rooftop

Maximum Durability & Reliability
15/30 years warranty, long-term high performance ensur

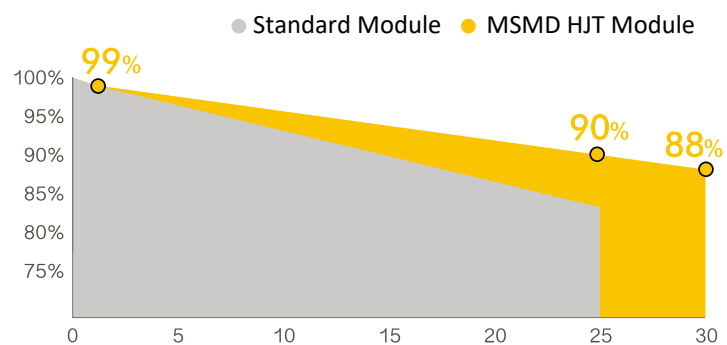
22.0%

Module efficiency

400W

Highest power output

Performance Warranty



-1.00%

First year power degradation

-0.375%

Annual degradation

15
Years

Materials and workmanship warranty

30
Years

Linear power warranty

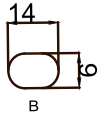
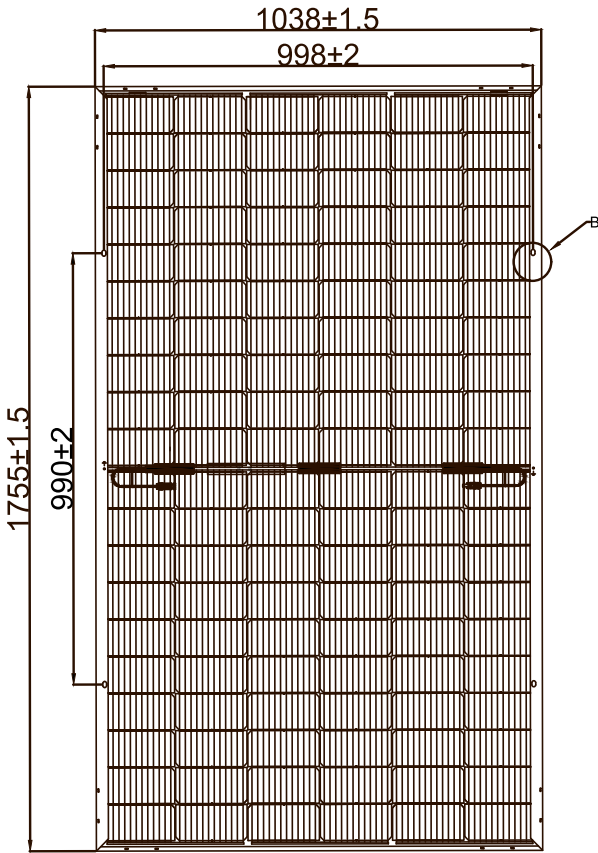
Product Certification



MSMDxxxM6-HJT120DSN

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

MSMDxxxM6-HJT120DSN	380	385	390	395	400
Maximum Power (P _{max})	380W	385W	390W	395W	400W
Module Efficiency (%)	20.9%	21.1%	21.4%	21.7%	22.0%
Optimum Operating Voltage (V _{mp})	37.09V	37.15V	37.23V	37.32V	37.43V
Optimum Operating Current (I _{mp})	10.27A	10.37A	10.49A	10.60A	10.70A
Open Circuit Voltage (V _{oc})	44.47V	44.57V	44.67V	44.77V	44.87V
Short Circuit Current (I _{sc})	10.72A	10.82A	10.92A	11.02A	11.12A
Operating Module Temperature	-40 to +85 C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	20A				
Power Tolerance	0~+5W				
Bifaciality	90% ± 5%				

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

BSTC**

	425W	430W	435W	440W	445W
Maximum Power (P _{max})	425W	430W	435W	440W	445W
Optimum Operating Voltage (V _{mp})	38.49V	38.70V	38.87V	39.18V	39.50V
Optimum Operating Current (I _{mp})	11.13A	11.18A	11.22A	11.28A	11.32A
Open Circuit Voltage (V _{oc})	45.61V	45.88V	46.21V	46.84V	47.54V
Short Circuit Current (I _{sc})	11.54A	11.58A	11.61A	11.64A	11.66A

**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 x 83 mm
Cell Connection	120 (60 × 2)
Module Dimension	1755 x 1038 × 30 mm
Weight	23.5 kg
Junction Box	IP67 / IP68
Output Cable	4mm ² ; 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

Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 C ± 2 C
Temperature Coefficiency of P _{max}	-0.26%/C
Temperature Coefficiency of V _{oc}	-0.24%/C
Temperature Coefficiency of I _{sc}	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.

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