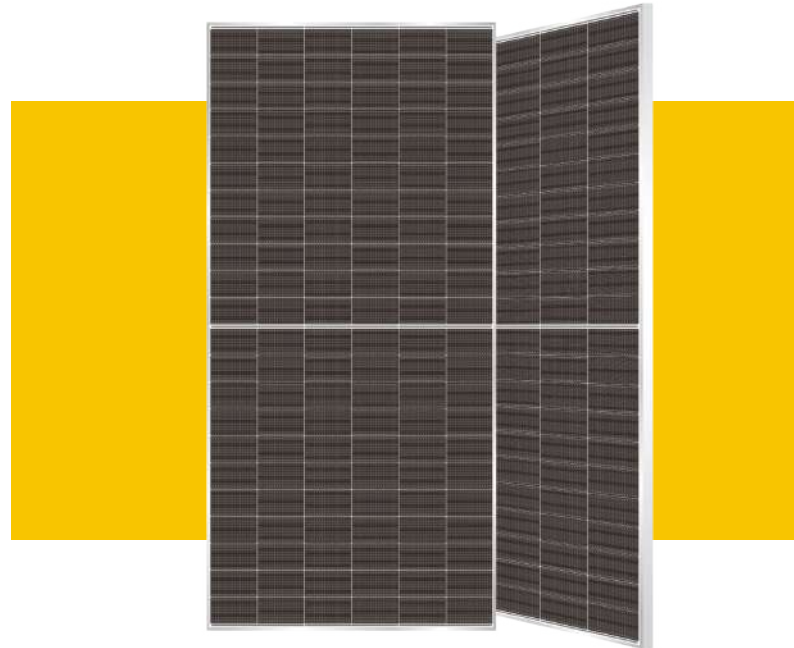


MSMDxxxM12R-HJT132DS

615-635W

132-cell Bifacial HJT Solar Module
Double-glass Solar Module



Product Advantages



HJT 3.0
Combining gettering process and double-sided $\mu\text{-Si}$ to maximize cell efficiency and module power.



Up to 90% Bifaciality
Natural symmetrical bifacial structure bringing more energy yield from the backside.



Sealing with PIB based sealant
Stronger water resistance, greater air impermeability to extend module lifespan.



Higher reliability
Industrial leading product and performance warranty, ensuring modules' consistent outstanding performance.

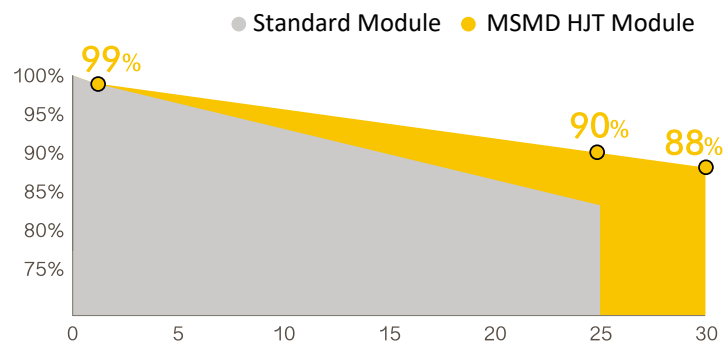


Suitable for Utility Solar projects

23.51%
Module efficiency

635W
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

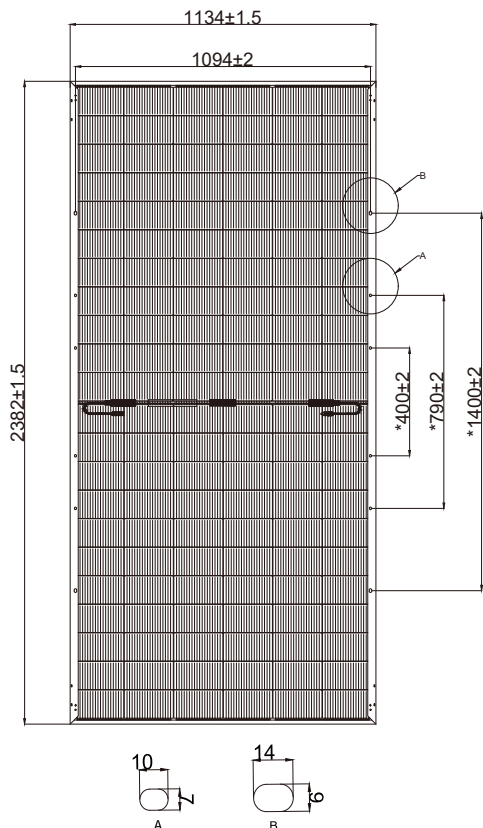
Product Certification



MSMDxxxM12R-HJT132DS

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

MSMDxxxM12R-HJT132DS	615	620	625	630	635
Maximum Power (Pmax)	615W	620W	625W	630W	635W
Module Efficiency (%)	22.77%	22.95%	23.14%	23.32%	23.51%
Optimum Operating Voltage (Vmp)	42.15V	42.30V	42.46V	42.62V	42.77V
Optimum Operating Current (Imp)	14.60A	14.66A	14.72A	14.79A	14.85A
Open Circuit Voltage (Voc)	50.80V	50.98V	51.16V	51.35V	51.53V
Short Circuit Current (Isc)	15.37A	15.42A	15.47A	15.52A	15.57A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	30A				
Power Tolerance	0~+5W				
Bifaciality	85% ± 5%				

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

BSTC** /NOCT**

Maximum Power (Pmax)	685W	690W	685W	700W	705W
Optimum Operating Voltage (Vmp)	42.15V	42.30V	42.15V	42.62V	42.77V
Optimum Operating Current (Imp)	16.26A	16.32A	16.26A	16.43A	16.49A
Open Circuit Voltage (Voc)	50.80V	50.98V	50.80V	51.35V	51.53V
Short Circuit Current (Isc)	17.13A	17.19A	17.13A	17.30A	17.36A

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

Maximum Power (Pmax)	469W	472W	476W	479W	483W
Optimum Operating Voltage (Vmp)	39.75V	39.90V	40.07V	40.22V	40.65V
Optimum Operating Current (Imp)	11.80A	11.83A	11.88A	11.91A	11.88A
Open Circuit Voltage (Voc)	48.48V	48.65V	48.83V	49.01V	49.18V
Short Circuit Current (Isc)	12.39A	12.43A	12.47A	12.51A	12.46A

**NOCT: Front side irradiation 800W/m², Ambient Temperature 20 °C. Wind Speed 1m/s.

Temperature Characteristics

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

Safety & Warranty

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty*

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

Mechanical Characteristics

Cell Type	HJT Mono 182/105mm
Cell Connection	132 (6×22)
Module Dimension	2382 × 1134 × 30 mm
Weight	33.6 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4 original / MC4 compatible
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm

Shipping Configurations

	HC
Container Length	40'
Pallets Per Container	20
Modules Per Pallet (pcs)	36
Modules Per Container (pcs)	720