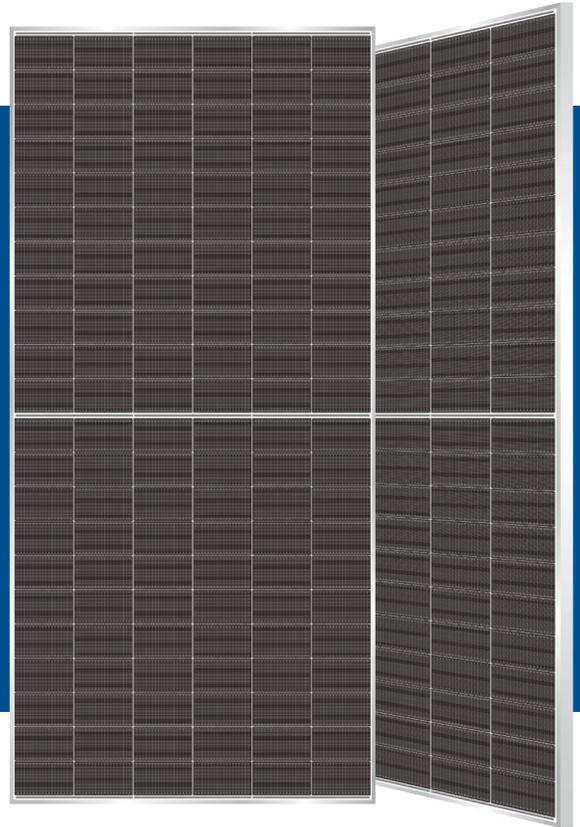


MSP-620W HJT B

615-635W

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



HJT Technology

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



Up to 95% 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

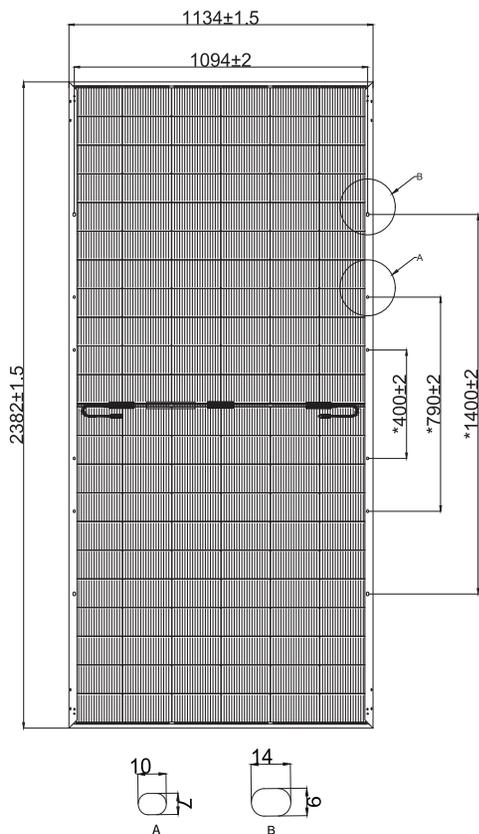
WARRANTY

Product
Warranty **10**
years

Linear
Power
Warranty **30**
years

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

MSP 615~635W HJT B	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)	40.96V	41.05V	41.14V	41.23V	41.32V
Optimum Operating Current(Imp)	15.03A	15.12A	15.21A	15.30A	15.39A
Open Circuit Voltage (Voc)	49.05V	49.15V	49.25V	49.34V	49.43V
Short Circuit Current (Isc)	15.86A	15.96A	16.06A	16.16A	16.26A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	30A				
Power Tolerance	0~+5W				
Bifaciality	90% ± 5%				

*STC: Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5. Test uncertainty for Pmax ± 3%

BSTC**/NOCT**

Maximum Power (Pmax)	689W	695W	700W	706W	712W
Optimum Operating Voltage(Vmp)	41.10V	41.19V	41.28V	41.37V	41.46V
Optimum Operating Current (Imp)	16.78A	16.88A	16.98A	17.08A	17.18A
Open Circuit Voltage (Voc)	49.22V	49.32V	49.42V	49.51V	49.60V
Short Circuit Current (Isc)	17.79A	17.90A	18.01A	18.12A	18.24A

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

Maximum Power (Pmax)	469W	473W	477W	481W	484W
Optimum Operating Voltage(Vmp)	39.09V	39.18V	39.26V	39.34V	39.42V
Optimum Operating Current (Imp)	12.01A	12.08A	12.16A	12.23A	12.30A
Open Circuit Voltage (Voc)	46.82V	46.91V	47.01V	47.09V	47.18V
Short Circuit Current (Isc)	12.68A	12.76A	12.84A	12.92A	13.00A

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

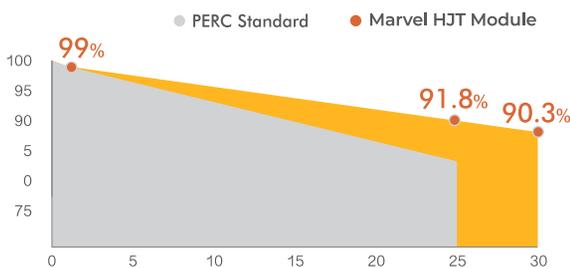
Temperature Characteristics

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

Safety & Warranty

Safety Class	Class II
Product Warranty	10 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty*

* Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is no more than 0.3%, and the power is no less than 90.3% until the 30th year.



Mechanical Characteristics

Cell Type	HJT Mono 182 × 105mm
Cell Connection	132 (6 × 22)
Module Dimension	2382 × 1134 × 30 mm
Weight	32.6 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4-Evo 2/ PV-H4/ Z4S-abcd/ ST4
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm

Shipping Configurations

Container Size	40'HQ
Pallets Per Container (pcs)	20
Modules Per Pallet (pcs)	36
Modules Per Container	720