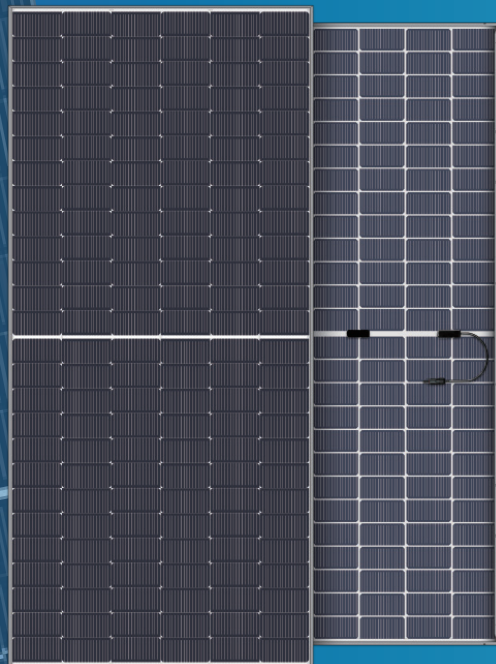


MSP-620 W HJT B

620-640W

HJT 16BB Half-cut Bifacial
Dual-Glass Module



N-type HJT technology for lower LCOE

The lower temperature coefficient and better low irradiance performance of HJT technology can effectively reduce LCOE.



Fire class A, harsh environment adaptability

The back of the dual-glass module adopts high transparent glass, which can adapt to all kinds of harsh environment, and the fire rating can reach Class A.



30-year power warranty

The average life of dual-glass modules is 30 years, 5 years longer than that of single-glass modules.



Double-sided power generation, higher income

The dual-glass module has a bifaciality up to 90% and a power generation gain of 7%-30% on the back side.



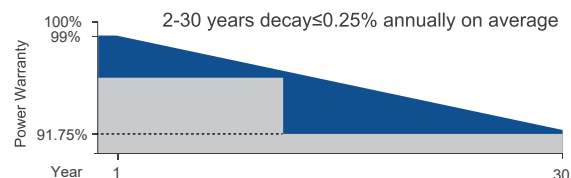
LINEAR PERFORMANCE WARRANTY

15 years

Product warranty on materials and workmanship

30 years

Linear power output warranty



CERTIFICATES

ISO 9001: 2015
Quality Management System

IEC 61215 / IEC 61730

ISO 14001: 2015
Environmental Management System

ISO 45001 : 2018
Occupational Health &
Safety Management System

*Certification requirements vary in different markets, please consult with Marvel Optronics sales team for appropriate certification.

ELECTRICAL PARAMETERS @ STC

Max. Power Output Pmax (W)	620	625	630	635	640
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Max. Power Voltage Vmp (V)	38.44	38.66	38.87	39.08	39.29
Max. Power Current Imp (A)	16.13	16.17	16.21	16.25	16.29
Open Circuit Voltage Voc (V)	44.90	45.09	45.27	45.45	45.63
Short Circuit Current Isc (A)	17.14	17.17	17.20	17.23	17.26
Module Efficiency (%)	21.91	22.09	22.26	22.44	22.62

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5
 *Measurement Tolerance (±3.0%)

Integrated Power @ STC (Reference to 630W front)

Power Gains	5%	10%	15%	20%	25%
Max. Power Output Pmax (W)	662	693	723	754	786
Max. Power Voltage Vmp (V)	38.87	38.87	38.77	38.77	38.77
Max. Power Current Imp (A)	17.02	17.83	18.64	19.45	20.26
Open Circuit Voltage Voc (V)	45.27	45.27	45.37	45.37	45.37
Short Circuit Current Isc (A)	18.06	18.92	19.78	20.64	21.50

TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmp	-0.24%/ °C
Temperature Coefficients of Voc	-0.22%/ °C
Temperature Coefficients of Isc	+0.047%/ °C

MECHANICAL PARAMETERS

Cell Type	HJT 210x105mm
Number of Cells	120pcs(6x20)
Dimensions (L*W*H)	2172x1303x33mm
Weight	34.9kg
Frame	Anodised Aluminum
Junction Box	IP68, 3 bypass diodes
Cable, Length	4.0mm ² , 300mm

OPERATING CONDITION

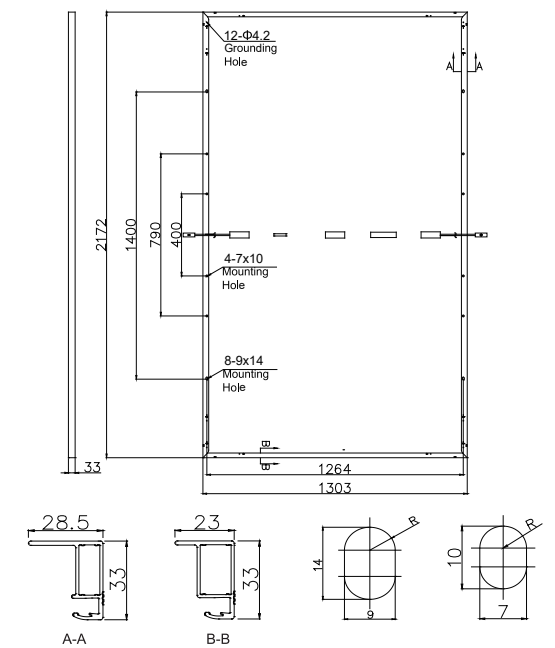
Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(Pa)	2400/5400
Max. Series Fuse Rating(A)	35
Fire Rating	Class A
Bifaciality	90±5%
NOCT	45 °C

PACKAGE INFORMATION

Container 40'HQ	594pcs
Quantity / Pallet	33pcs
Package size: 1310×1100×2302mm;	Net weight: 1151.7kg; Gross weight: 1195.2kg

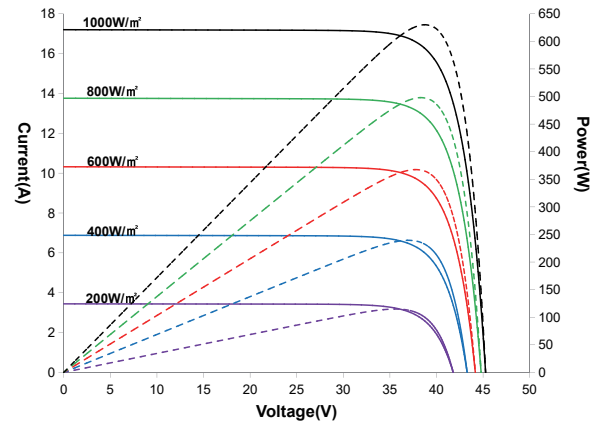
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ASSEMBLY DRAWING (Unit:mm)



I-V CURVES

Test temperature 25°C



Irradiance: AM1.5, 1000W/m²

