

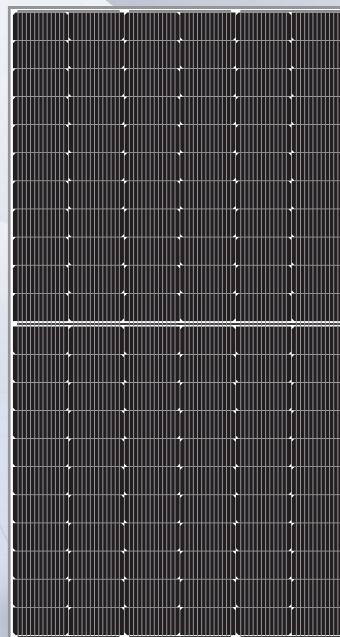
Mono Half Cut

Bifacial

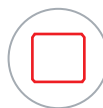
650~670W


SN(650~670W)-132MB12 **12BB**


Mono MBB per large size half cut module





KEY FEATURES


- 

210mm squared big sized cells
Adopt latest 210mm half cut cells technology, upto 23.1% cells efficiency and low degradation rate
- 

12bb cells with powerful optical conversion rate
More busbar with narrow transfer distance, increase current collecting ability, less cells resistance and working temperature
- 

Twin panels parallel connection
12 cells strings array in twin parallel connection, lower panel temperature and hot spot, better shadow performance
- 

Super high power output monofacial panel
Up to 670W power output, up to 20% rear side generation, increase the project extra generation
- 

Stable generation capacity and power loss guarantee
0~+5W power output guarantee, 1st year power degradation $\leq 2\%$, 2nd year to 25th year power degradation $\leq 0.6\%$
- 

Excellent environmental adaptability and anti-aging ability
Excellent anti-PID, sand-dust, salt-mist & ammonia resistance ability; 2400Pa wind load & 5400Pa snow load approved

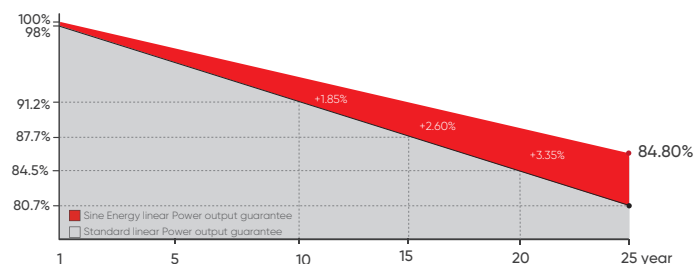
CERTIFICATION

IEC61215 | IEC61730 | IEC 61701 | CE | INMETRO
 ISO 9001
 2015 Quality Management System
 ISO 14001
 2015 Environmental Management System
 ISO45001
 2018 Occupational Health and Safety Management System



INDUSTRY LEADING WARRANTY

- 12 years** Guarantee on product material and workmanship
- 25 years** Linear power output warranty



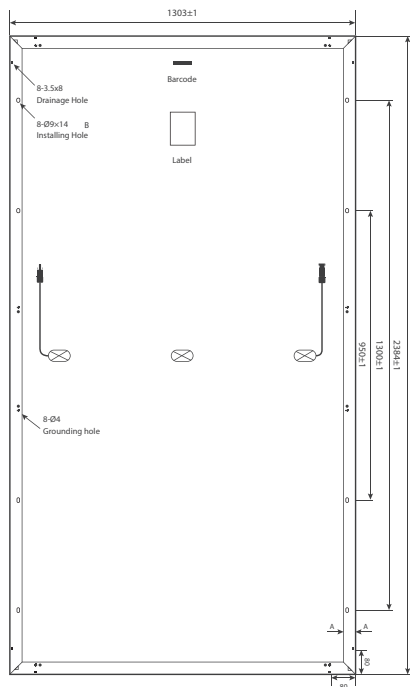
SN(650~670W)-132M12

Weight
33.5kg

Number of Cells
132pcs(22*6)

Module Size
2384×1303×35mm

Packing
31pcs/pallet, 558pcs/40HQ



MECHANICAL SPECIFICATIONS

Solar Cell Type	210×105mm
Glass	3.2mm tempered, high transmissiion ART coating
Back Sheet	White KPF
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP68
No. of Diodes	3pcs
Output Cable	4.0mm ² 400/400mm (custmized available)
Connector	MC4 Compatible (MC4 Original optional)
Wind/Snow Load	2400pa/5400pa

TEMPERATURE COEFFICIENT

Nominal Operating Cell Temp(NOCT)	44±2 C
Temperature Coefficient of ISC	0.060% C
Temperature Coefficient of VOC	-0.30% C
Temperature Coefficient of Pmax	-0.39% C
Operational Temperature	-40~85 C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	25A

ELECTRICAL SPECIFICATION (STC)

Maximum Power -Pmax(W)	650W	655W	660W	665W	670W
Maximum Power Voltage-Vmp(V)	37.61V	37.81V	38.01V	38.21V	38.41V
Maximum Power Current-Imp(A)	17.28A	17.32A	17.36A	17.40A	17.44A
Open Circuit Voltage -Voc(V)	45.58V	45.78V	45.98V	46.18V	46.38V
Short Circuit Current-Isc(A)	18.16A	18.21A	18.26A	18.31A	18.36A
Module Efficiency(STC) -ηm(%)	20.92%	21.09%	21.25%	21.41%	21.57%
Power output tolerance(W)	0~+5W				

STC:Irradiance:1000W/m², Module Temperature:25°C,Air Mass:1.5

Electrical Specification (NOCT)

Maximum Power -Pmax(W)	491W	495W	499W	503W	506W
Maximum Power Voltage-Vmp(V)	34.86V	35.05V	35.24V	35.42A	35.61V
Maximum Power Current-Imp(A)	14.09A	14.13A	14.16A	14.19A	14.23A
Open Circuit Voltage -Voc(V)	42.30V	42.48V	42.67V	42.86V	43.04V
Short Circuit Current-Isc(A)	14.89A	14.93A	14.97A	15.01A	15.06A

NOCT:Irradiance:800W/m², Ambient Temperature:20°C,Air Mass:1.5,Wind Speed:1m/s

I-V Curve

