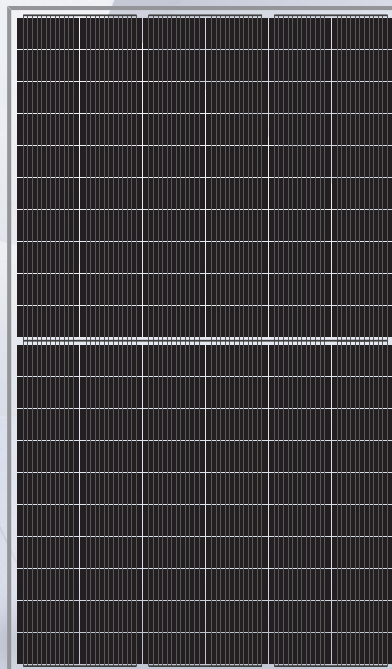


Mono Half Cut

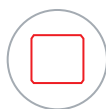
Monofacial 590~610W

SN(590~610W)-120M12 **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



Low
LCOE

Super high power output monofacial panel

Up to 605W 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



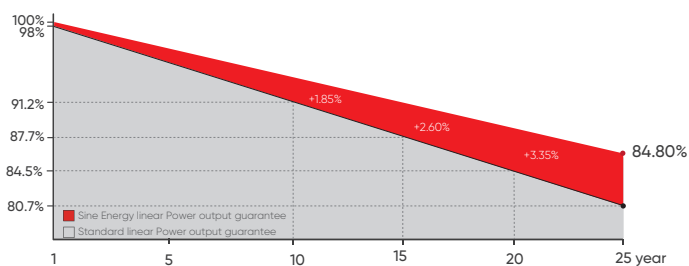
INDUSTRY LEADING WARRANTY

12 years

Guarantee on product material and workmanship

25 years

Linear power output warranty



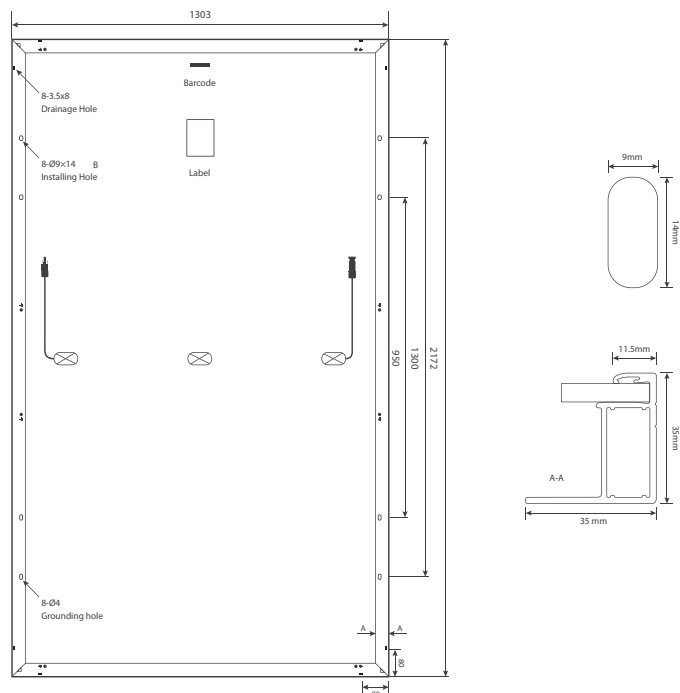
SN(590~610W)-120M12

Weight
30.5kg

Number of Cells
120pcs(20*6)

Module Size
12172*1303*35mm

Packing
31pcs/pallet, 558pcs/40HQ



MECHANICAL SPECIFICATIONS

Solar Cell Type	210×105mm
Glass	3.2mm tempered, high transmission 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)

	590W	595W	600W	605W	610W
Maximum Power -Pmax(W)	590W	595W	600W	605W	610W
Maximum Power Voltage-Vmp(V)	34.00V	34.20V	34.40V	34.60V	34.80V
Maximum Power Current-Imp(A)	17.35A	17.40A	17.44A	17.49A	17.53A
Open Circuit Voltage -Voc(V)	41.10V	41.30V	41.50V	41.70V	41.90V
Short Circuit Current-Isc(A)	19.42A	18.47A	18.52A	18.57A	18.62A
Module Efficiency(STC) -ηm(%)	20.85%	21.02%	21.20%	21.38%	21.55%
Power output tolerance(W)	0~+5W				

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

Electrical Specification (NOCT)

	447W	451W	454W	458W	463W
Maximum Power -Pmax(W)	447W	451W	454W	458W	463W
Maximum Power Voltage-Vmp(V)	31.70V	31.90V	32.10V	32.20A	32.40A
Maximum Power Current-Imp(A)	14.09A	14.13A	14.16A	14.22A	14.29A
Open Circuit Voltage -Voc(V)	38.70V	38.90V	39.10V	39.30V	39.50V
Short Circuit Current-Isc(A)	14.85A	14.88A	14.92A	14.96A	15.00A

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

I-V Curve

