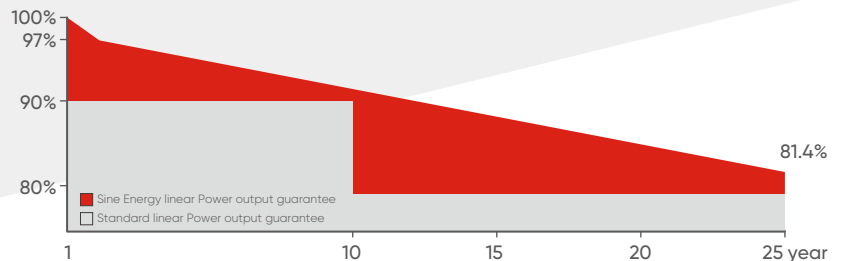


Mono Half Cut

Monofacial 440~455W

SN(440~455)-120M



12 Years

Guarantee on product material and workmanship

25 Years

Linear power output warranty

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



CE PID

Key Features

M10 wafer plus MBB half cut technology

Large-size cells increase the effective generation area, less current transfer distance & resistance, improve generation efficiency

High efficiency cells & high module yield guarantee

Adopt latest A grade high efficiency MBB cells, increase power generation & the rate of return on investment

Twin panels parallel connection

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

Optimal solar module size

Excellent industry size compatibility, less weight and smaller size, easy for handling & rooftop installing. 30mm frame brings 16% more loaded quantity

Stable generation capacity and power loss guarantee

0~+5W power output guarantee, 1st year power degradation 2%, 2nd year to 25th year power degradation 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

SN(440~455W)-120M

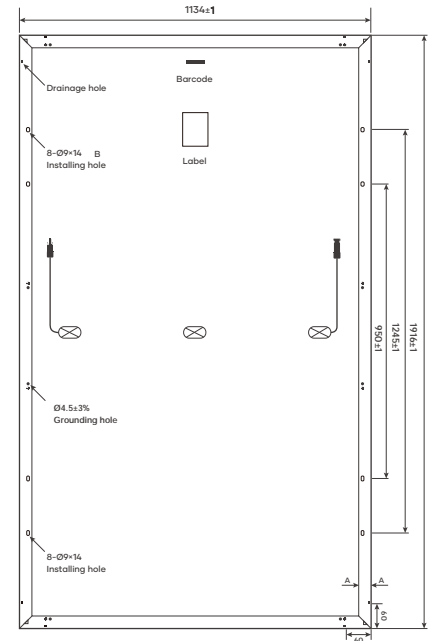
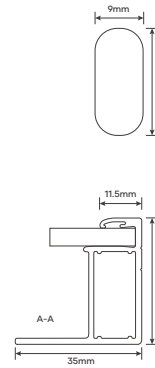
Weight 23kg	Number of Cells 120pcs(20×6)	Module Size 1916×1134×35mm	Packing 31pcs/pallet, 744pcs/40HQ
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MECHANICAL SPECIFICATIONS

Solar Cell Type	182×91mm
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 (custimized available)
Connector	MC4 Compatible (MC4 Original optional)
Wind/Snow Load	2400pa/5400pa

TEMPERATURE COEFFICIENT

Nominal Operating Cell Temp(NOCT)T	44±2 C
emperature 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	20A



ELECTRICAL SPECIFICATION (STC)

Module Type: SN(440~455W)-120M

	440W	445W	450W	455W
Maximum Power -Pmax(W)	440W	445W	450W	455W
Maximum Power Voltage-Vmp(V)	33.91V	34.06V	34.21V	34.36V
Maximum Power Current-Imp(A)	12.98A	13.07A	13.16A	13.25A
Open Circuit Voltage -Voc(V)	40.95V	41.10V	41.25V	41.40V
Short Circuit Current-Isc(A)	13.41A	13.52A	13.62A	13.72A
Module Efficiency(STC) - m(%)	20.25%	20.48%	20.71%	20.96%
Power output tolerance(W)	0~+5W			

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

Electrical Specification (NOCT)

	330W	334W	338W	342W
Maximum Power -Pmax(W)	330W	334W	338W	342W
Maximum Power Voltage-Vmp(V)	31.34V	31.49V	31.64V	31.79V
Maximum Power Current-Imp(A)	10.54A	10.62A	10.69A	10.77A
Open Circuit Voltage -Voc(V)	37.76V	37.91V	38.06V	38.21V
Short Circuit Current-Isc(A)	11.19A	11.28A	11.36A	11.45A

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

I-V Curve SN(440~455W)-120M

