



NBJ-570M-120

JINSHI SOLAR MODEL

120 CELLS

MONOCRYSTALLINE MODULE

570-590W

POWER OUTPUT RANGE

20.8%

MAXIMUM EFFICIENCY

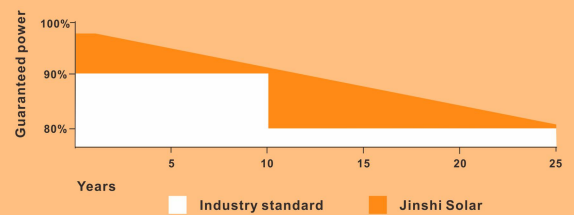
0~+3%

POWER OUTPUT GUARANTEE

- Solar cell: 5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, which is perfect for rooftop.
- Tempered glass: Anti-reflecting coating and high transmission rate glass increasing the power output and mechanical strength of solar module.
- EVA and TPT: Using high quality EVA and TPT to prevent destroying and water.
- All frames: Without screws corner connection. 8 holes on the frame can be installed easily.
- Junction box: Multifunctional and water-proof junction box.
- Good performance of preventing from atrocious weather such as wind and hails.
- Resisting moisture and etching effectively, not effected by geology.
- Certificates issued by international authorities: ISO Quality Management system, CE, TUV (IEC61215 and IEC61730)
- Limited power degradation of Eagle module caused by PID effect is guaranteed under 60°C/85% RH condition for mass production.
- High salt and ammonia resistance certified by TUV NORD

LINEAR PERFORMANCE WARRANTY

12 Year product warranty • 25 Year linear power warranty



Mechanical Characteristics:

Cell Size	105X210
No. of cells	120(6X10+6X10)
Module Size (mm)	2172X1303X35
Module Weight (KG)	31.5

Packing Details:

Container	40'HQ
Pieces pallet	63
Pallets per container	8
Pieces par container	504

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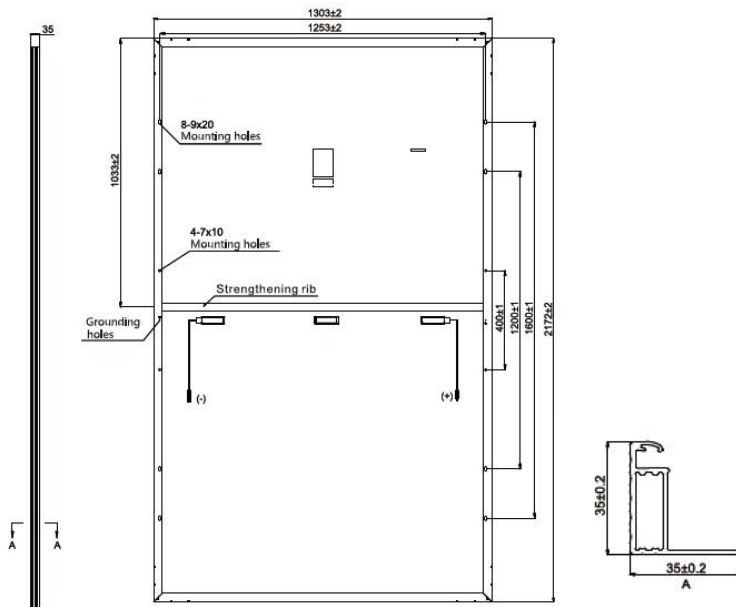


Construction Materials:

Front Glass	High Transmission, Low Iron, Tempered ARC Glass
Frame	Anodized Aluminum Alloy Type 6063-T5
Junction Box	IP68 1500VDC Rated (Black)
Output Cables	TUV 3 Schottky bypass diodes

Connector	MC4 (IP67)
Encapsulation Material	EVA(0.45 ± 0.03mm thickness)
Back Foil	White TPT(0.32 ± 0.03mm thickness)
Fixing Adhesive	Silicone Sealant(White)

Module Diagram:



Temperature Coefficient:

Power Tolerance	0~+3%
Temperature Coefficient of Pmax	(-0.34±0.05)%/°C
Temperature Coefficient of Voc	(-0.25±0.02)%/°C
Temperature Coefficient of Isc	(0.04±0.01) %/°C
NOTC(°C)	(44±2) °C

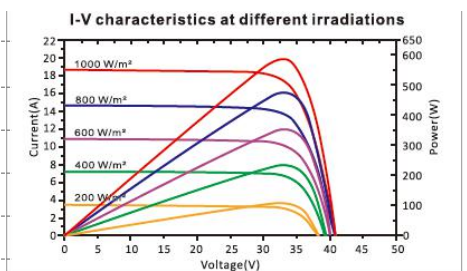
Operating Conditions:

Max. system voltage	1500VDC (IEC)
Operating temperature (°C)	-40~85
Max.Series Fuse Rating (A)	30
Limiting Reverse Current (A)	30

Electrical Parameters at Standard Test Conditions (STC)

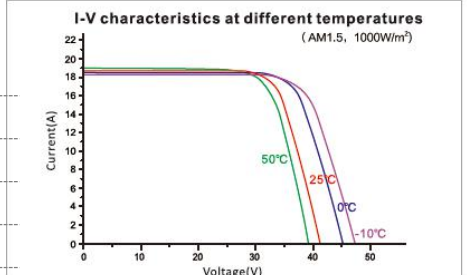
Module type	NBJ-570M-120	NBJ-575M-120	NBJ-580M-120	NBJ-585M-120	NBJ-590M-120
Rated Maximum Power (Pmax/W)	570	575	580	585	590
Maximum Power Voltage (Vmp/V)	33.95	34.10	34.25	34.40	34.55
Open-circuit Voltage (Voc/V)	40.50	40.65	40.80	40.95	41.10
Maximum Power Current (Imp/A)	16.79	16.86	16.94	17.01	17.08
Short-circuit Current (Isc/A)	18.04	18.13	18.22	18.29	18.36
Module Efficiency (%)	20.2	20.3	20.5	20.7	20.8

I-V Curve:



Electrical Parameters at Nominal Operating Cell Temperature (NOCT)

Module type	NBJ-570M-120	NBJ-575M-120	NBJ-580M-120	NBJ-585M-120	NBJ-590M-120
Max Power (Pmax/W)	431.8	435.6	439.4	443.1	446.9
Maximum Power Voltage (Vmp/V)	31.5	31.64	31.78	31.92	32.06
Open-circuit Voltage (Voc/V)	37.66	37.80	37.94	38.08	38.22
Maximum Power Current (Imp/A)	13.70	13.76	13.82	13.88	13.94
Short-circuit Current (Isc/A)	14.80	14.86	14.94	15.00	15.06



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