



NBJ-310P

JINSHI SOLAR MODEL

72 CELLS

MULTICRYSTALLINE MODULE

300-320W

POWER OUTPUT RANGE

16.2%

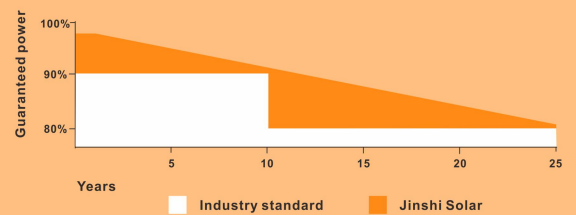
MAXIMUM EFFICIENCY

0~+3%

POWER OUTPUT GUARANTEE

LINEAR PERFORMANCE WARRANTY

12 Year product warranty • 25 Year linear power warranty



- Solar cell: High efficiency crystalline solar cell. Even if under the weak light, the solar module can produce maximum power output.
- 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: Multi-functional 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)



Mechanical Characteristics:

Cell Size (mm)	156X156
No. of cells	72(6X12)
Module Size (mm)	1956X992X40
Module Weight (KG)	23

Packaging Specifications:

Number of modules per pallet	26
Number of pallets per 40' container	24
Packaging box dimensions (cm)	198x110x112
Box Weight (KG)	645

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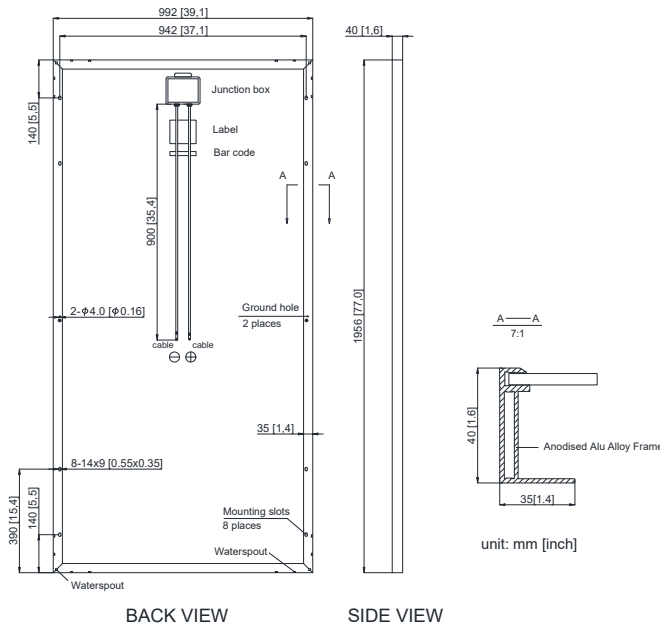


Construction Materials:

Front Glass	3.2mm, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy Type 6063-T5
Junction Box	IP 65 Rated (Black)
Output Cables	TUV 1×4mm ² , length:900mm

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	(-0.43±0.05)%/°C
Temperature Coefficient of Voc	(-0.33±0.02)%/°C
Temperature Coefficient of Isc	(0.058±0.01) %/°C
NOTC(°C)	(47±2) °C

Operating Conditions:

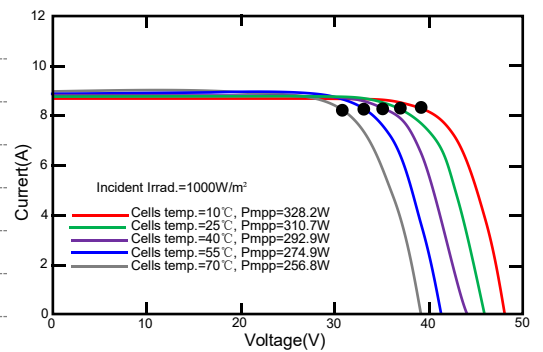
Max. system voltage	1000DVC (IEC)
Max. system fuse rating (A)	15
Operating temperature (°C)	-40~85
Max. static load, front (e.g., snow) pa	5400
Max. static load, back (e.g., wind) pa	2400

Electrical Parameters at Standard Test Conditions (STC)

Module type	NBJ-300P	NBJ-305P	NBJ-310P	NBJ-315P	NBJ-320P
Rated Maximum Power (Pmax/W)	300	305	310	315	320
Maximum Power Voltage (Vmp/V)	36.41	36.71	37.00	37.20	37.45
Open-circuit Voltage (Voc/V)	45.20	45.35	45.45	45.65	45.85
Maximum Power Current (Imp/A)	8.24	8.31	8.38	8.47	8.55
Short-circuit Current (Isc/A)	8.73	8.79	8.85	8.90	9.00
Module Efficiency (%)	15.5	15.7	16.0	16.2	16.5

STC: Irradiance 1000W/M2 Module Temperature: 25°C AM=1.5

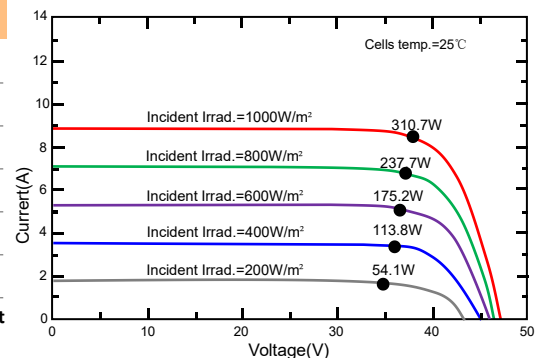
I-V Curve:



Electrical Parameters at Nominal Operating Cell Temperature (NOCT)

Module type	NBJ-300P	NBJ-305P	NBJ-310P	NBJ-315P	NBJ-320P
Max Power (Pmax/W)	217.80	221.43	225.06	229.00	232.90
Maximum Power Voltage (Vmp/V)	33.77	33.91	34.05	34.25	34.45
Open-circuit Voltage (Voc/V)	42.31	42.47	42.58	42.60	42.65
Maximum Power Current (Imp/A)	6.45	6.53	6.61	6.68	6.76
Short-circuit Current (Isc/A)	6.89	6.93	6.99	7.02	7.10

Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², spectrum AM1.5, ambient temperature 20°C, wind speed 1m/s.



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