



- 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 )

## NBJ-300P

JINSHI SOLAR MODEL

## 72 CELLS

MULTICRYSTALLINE MODULE

## 300W

POWER OUTPUT RANGE

## 15.5%

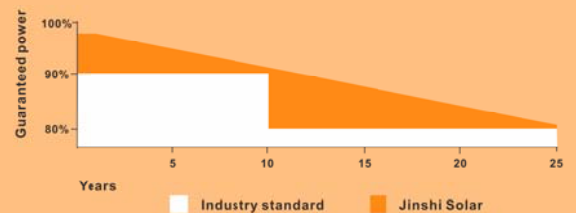
MAXIMUM EFFICIENCY

## 0~+3%

POWER OUTPUT GUARANTEE

### LINEAR PERFORMANCE WARRANTY

12 Year product warranty • 25 Year linear power warranty



### 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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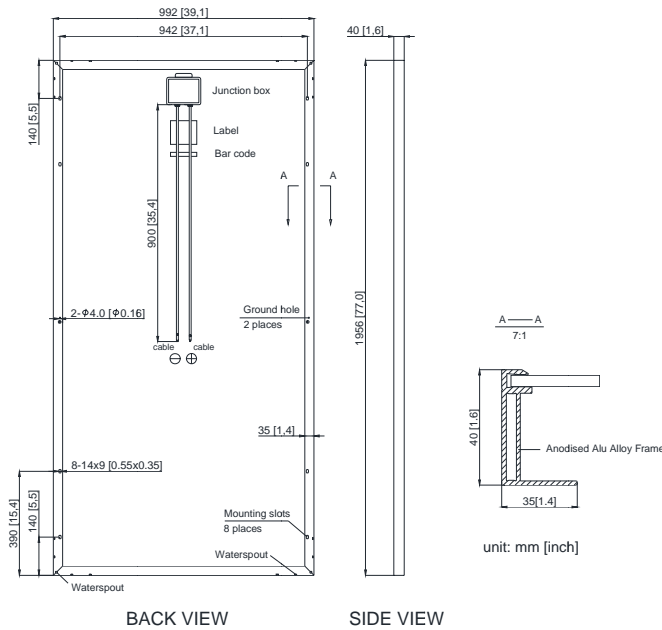


**Construction Materials:**

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 <sup>2</sup> , 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:**

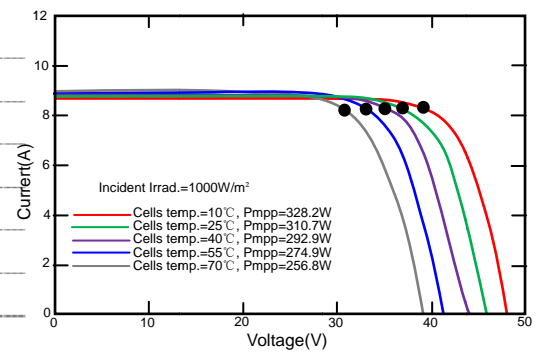
Max. system voltage	1000DVC (IEC)
Max. system fuse rating (A)	15
Operating temperature (°C)	-40~85
Max. static load, front (e.g., snow) pa	5400
Max. static load, back (e.g., wind) pa	2400

**Electrical Parameters at Standard Test Conditions (STC)**

Module type	NBJ-300P
Rated Maximum Power (Pmax/W)	300
Maximum Power Voltage (Vmp/V)	36.41
Open-circuit Voltage (Voc/V)	45.20
Maximum Power Current (Imp/A)	8.24
Short-circuit Current (Isc/A)	8.73
Module Efficiency (%)	15.5

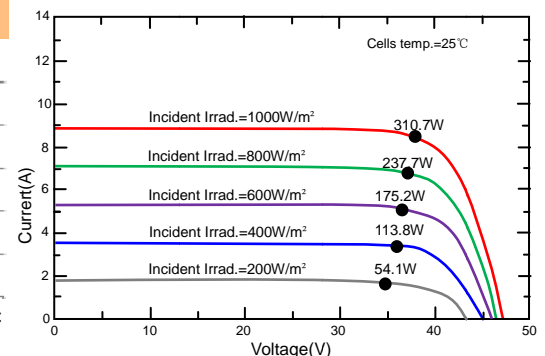
STC: Irradiance 1000W/M2 Module Temperature: 25°C AM=1.5

**I-V Curve:**



**Electrical Parameters at Nominal Operating Cell Temperature (NOCT)**

Module type	NBJ-300P
Max Power (Pmax/W)	217.80
Maximum Power Voltage (Vmp/V)	33.77
Open-circuit Voltage (Voc/V)	42.31
Maximum Power Current (Imp/A)	6.45
Short-circuit Current (Isc/A)	6.89



Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m<sup>2</sup>, spectrum AM1.5, ambient temperature 20°C, wind speed 1m/s.

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