

NBJ-250P

POLY CRYSTALLINE MODULES
250-280Watt

KEY FEATURES

- ✧ We use high conversion efficiency solar cells to ensure high quality
- ✧ Our High performance modules have an industry low tolerance of 0~+3%
- ✧ Entire modules can withstand high wind loads(2400 Pascal), snow loads(5400 Pascal) and extreme temperature
- ✧ Passed IEC 5400 Pa mechanical loading test.

QUALITY & SAFETY

- ▲ Certificate: CE, ISO
- ▲ Industry power output warranty: 90% in 12 years, 80% in 25 years
- ▲ 5-year warranty on product material and processing technology
- ▲ ISO 9001:2008(Quality Management System) certified factory

APPLICATION



On-grid residential roof-tops



On-grid commercial/
industrial roof-tops

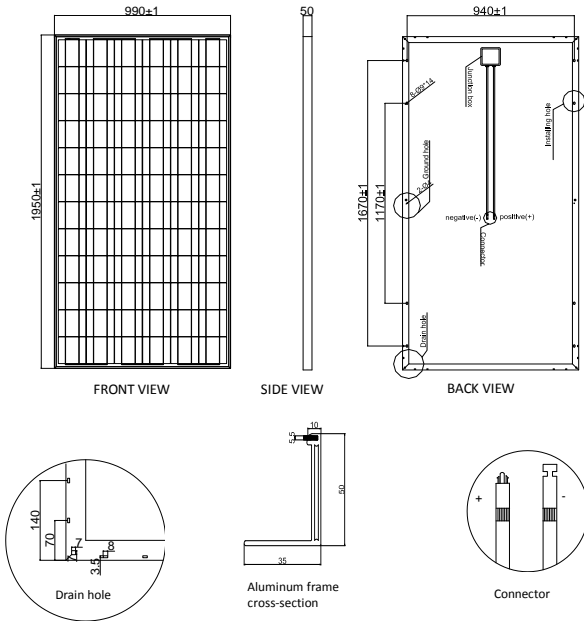


Solar Power plants



Off-grid systems

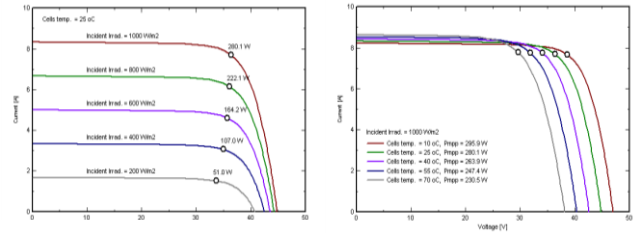
Engineering Drawing



Packing Configuration

Container Size	1×20'ft	1×40'GP	1×40'HQ
Pallet Q'ty	5pallets	11pallets	11pallets
Loading Capacity	200pcs	440pcs	495pcs

I-V Curve



Mechanical Characteristics

Cell Type	Poly Crystalline 156×156mm(6 inch)
No. of Cells	72(6×12)
Dimension	1950*990*50mm
Weight	23kg
Front Glass	3.2mm, High Transmission, 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(UV resistance and self-locking/IP67)
Encapsulation Material	EVA(0.50±0.03mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Fixing Adhesive	Silicone Sealant(White)

SPECIFICATIONS

Module Type	NBJ-250P	NBJ-255P	NBJ-260P	NBJ-265P	NBJ-270P	NBJ-275P	NBJ-280P
Maximum Power at STC (Pmax)	250Wp	255 Wp	260Wp	265 Wp	270Wp	275Wp	280Wp
Maximum Power Voltage (Vmp)	35.4V	35.5V	35.6V	35.85V	36.2V	36.4V	36.8V
Maximum Power Current (Imp)	7.07A	7.19A	7.30A	7.40A	7.46A	7.56A	7.61A
Open-circuit Voltage (Voc)	42.8V	43.0V	43.2V	43.3V	43.6V	43.9V	44.4V
Short-circuit Current (Isc)	7.56A	7.69A	7.86A	7.95A	7.98A	8.09A	8.14A
Module Efficiency (%)	13.0%	13.2%	13.5%	13.7%	14%	14.2%	14.5%
Operating Temperature(°C)	-40°C~+90°C						
Maximum System Voltage(V)	DC 1000V(TUV) / DC600V(UL)						
Maximum Rated Current Series(A)	15A						
Power Tolerance	0~+3%						
Temperature Coefficients of Pmax	(-0.45±0.05)%/°C						
Temperature Coefficients of Voc	(-0.35±0.02)%/°C						
Temperature Coefficients of Isc	(0.05±0.01) %/°C						
NOTC(°C)	(47±2)°C						

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