

About NanoPV-N-250W

NanoPV-N-250W is produced by one of the world's top PV manufacturers following high-quality as well as the most efficient process of NanoPV technologies to obtain highest energy generation in the field. The solar modules are certified for all the international certifications standards for performance and safety.

Features

- High conversion efficiency
- Positive power tolerance of 0 to 7W
- Low degradation under light exposure
- Can withstand high wind-pressure, snow load and extreme temperature
- Passing IEC 61215 2400Pa mechanical load test

Applications

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power plants
- Off-grid system
- Other on-grid applications



Quality and Safety

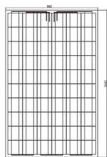
- 5-year warranty on product materials and processing technology
- Power output warranty: 12 years: 90%, 25 years: 80%
- ISO 9001:2008 (Quality Management System) certified factory
- IEC61215, IEC61730, MCS CEC certified products
- TUV, CE conformity
- Class A Grade Solar Cells
- Quality Insurance by Major Insurance Companies



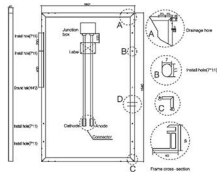
Dimensions



NanoPV



Front



Side

Back

Frame cross-section

Specifications

Model Type	NanoPV-N-250W
Peak Power(P _{max})	250
Maximum Power Voltage(V _{mp})	30.9
Maximum Power Current(I _{mp})	8.09
Open Circuit Voltage(V _{oc})	37.68
Short Circuit Current(I _{sc})	8.89
Module Efficiency(%)	15.4
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating (A)	15
Power Tolerance	0~+3%
P _{max} Temperature Coefficients(W/°C)	-0.47%
V _{oc} Temperature Coefficients(V/°C)	-0.389%
I _{sc} Temperature Coefficients(A/°C)	0.057%
NOCT Nominal Operating Cell Temperature (°C)	47±2
Operating and Storage Temperature (°C)	-40~+85
Standard Test Condition (STC)	1,000W/m ² ; AM 1.5; 25°C

Mechanical characteristics & Packaging

Cell Type	Poly-crystalline 156x156mm
No. of Cells	60(60x10)
Dimensions	1640x992x45mm
Weight	19.3kgs
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output cables	TUV 1x4mm ² , length 90cm
Quantity/pallet	23pcs
Loading Quality	598pcs / 40ft