



Solar Photovoltaic Modules

NEASE Solar Photovoltaic Module Specification Data		
Module Type	12V/100WP	12V/110WP
Max. Power	100WP	110WP
Cell Type	Poly/Mono Crystalline Silicon Solar Cells	
No. Of Cell	36 Cell	
Max. System Voltage	1000V	
Power Tolerance	± 3%.	
Surface Maximum Load Capacity	60m/s(200kg/sq.m)	
Weight	7.70 kg	
Glass Dimensions	1150 mm X 670 mm X 3.2 mm	
Electrical Characteristic		
Open Circuit Voltage(Voc)	21.5 V	21.5 V
Short Circuit Current(isc)	6.10 A	6.70A
Max. Power Voltage(Vmax)	17.5 V	17.5V
Max. Power Current(imax)	5.80A	6.25A
Temp Coefficiencies Of Isc(%)	20µA/°C/Cell area/C_P	
Temp Coefficiencies Of Voc(%)	-2.2mv/°C/C_S	
Temp Coefficiencies Of Pm (%)	-0.44%/°C	
Cell Efficiency (%)	>15%	
Module Efficiency(%)	>12.5%	>14%
Operating Temperature	-40 to +85°C	

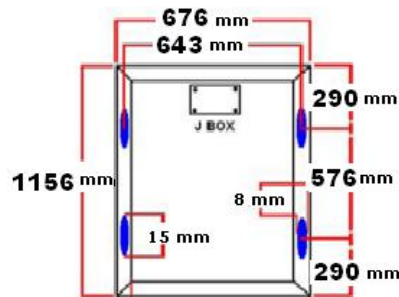
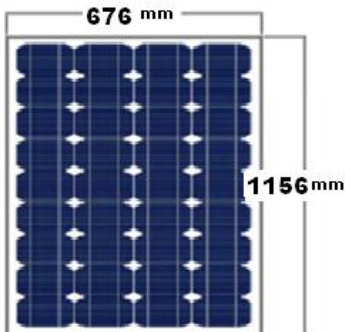
Features and Benefits

- ❖ Cells are laminated with EVA,TPT and tempered glass ensuring long life and the most stringent safety requirements For High voltage operation.
- ❖ Anodized aluminum frame with convenient mounting slots.
- ❖ Nominal 6VDC/ 12V DC / 20V / 24V DC for standard output.
- ❖ We are specialized in 18, 36, 54, 60, 72 cells solar modules.
- ❖ We are specialized in making black and transparent back-sheet solar module as well.
- ❖ Withstand high wind pressure and snow load.
- ❖ Output power tolerance of ± 3%.
- ❖ High efficiency solar cells.



*Conditions:(STC):Irradiance:1000W/m²,spectral distribution AM1.5,Cell temperature:25°C

Module Dimensions



Certification



MNRE
Channel
Partner



* NEASE reserves the right to amend the above specification without prior notice.

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