



Solar Photovoltaic Modules

NEASE Solar Photovoltaic Module Specification Data			
Module Type	12V/140WP	12V/150WP	24V/150W
Max. Power	140WP	150WP	150W
Cell Type	Poly/Mono Crystalline Silicon Solar Cells		
No. Of Cell	36 Cell	36 /72 Cell	72 Cell
Max. System Voltage	1000V		
Power Tolerance	± 3%.		
Surface Maximum Load Capacity	60m/s(200kg/sq.m)		
Weight	12 kg		
Glass Dimensions	1000 mm X 990 mm X 3.2 mm		
Electrical Characteristic			
Open Circuit Voltage(Voc)	21.5V	21.5V	36V
Short Circuit Current(Isc)	8.52A	9.12A	4.56A
Max. Power Voltage(Vmax)	17.5V	17.5V	44V
Max. Power Current(I _{max})	7.84A	8.4A	4.20A
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	>14%	>15%	>15%
Operating Temperature	-40 to +85°C		

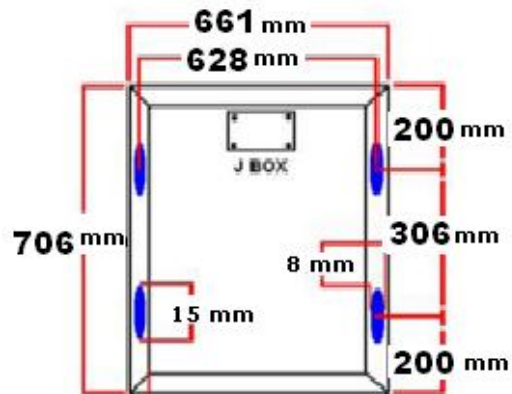
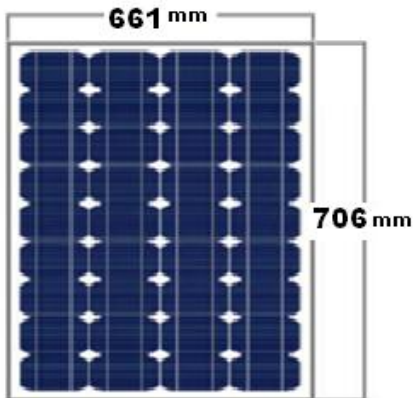
Features and Benefits

- ❖ 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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