



12V/40 WP Solar Photovoltaic Modules

NEASE Solar Photovoltaic Module Specification Data

Module Type	12V/37WP	12V/40WP	12V/45WP
Max. Power	37WP	40WP	45WP
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	4.95 kg		
Glass Dimensions	500 mm X 655 mm X 3.2 mm		
Electrical Characteristic			
Open Circuit Voltage(Voc)	21.5V	21.5V	21.5V
Short Circuit Current(isc)	2.30A	2.54A	2.87A
Max. Power Voltage(Vmax)	17.5V	17.5V	17.5A
Max. Power Current(imax)	2.18A	2.40A	2.70A
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	>11%	>11.90%	>13%
Operating Temperature	-40 to +85°C		

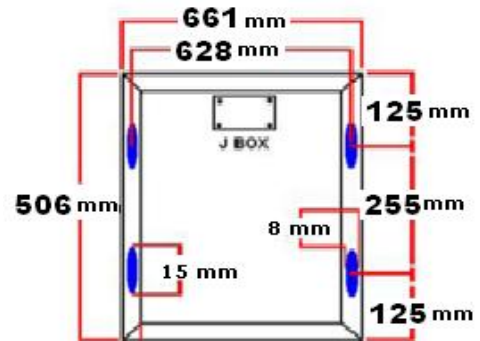
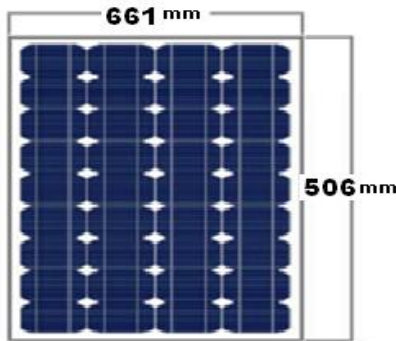
Features and Benefits

- ❖ 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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