









## Solar Photovoltaic Modules

### NEASE Solar Photovoltaic Module Specification Data

<b>Module Type</b>	<b>12V/50 WP</b>
<b>Max. Power</b>	<b>50WP</b>
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	5.85kg
Glass Dimensions	590mm X 670 mm X 3.2 mm
<b>Electrical Characteristic</b>	
Open Circuit Voltage(Voc)	21.5V
Short Circuit Current(isc)	3.00 A
Max. Power Voltage(Vmax)	17.5V
Max. Power Current(imax)	2.94A
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
Cells Efficiency	>15%
Module Efficiency(%)	>12%
Operating Temperature	-40 to +85°C

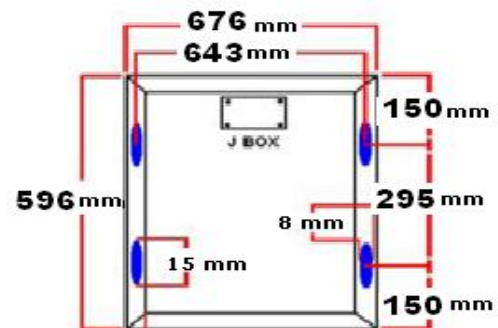
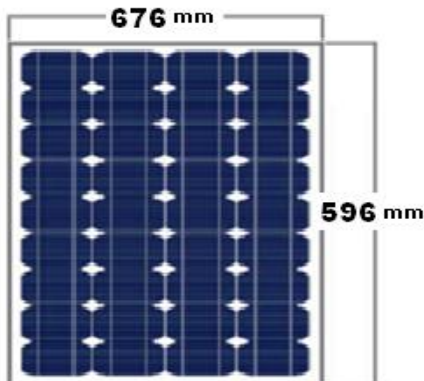
### Features and Benefits

-  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/m<sup>2</sup>,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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