











## Solar Photovoltaic Modules

### NEASE Solar Photovoltaic Module Specification Data

Module Type	12V/15WP	12V/18WP	12V/20WP
<b>Max. Power</b>	<b>15WP</b>	<b>18WP</b>	<b>20WP</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	2.0 kg		
Glass Dimensions	445 mm X 345 mm X 3.2 mm 550mm X 345mm X 3.2mm		
<b>Electrical Characteristic</b>			
Open Circuit Voltage(Voc)	21.5 V	21.5 V	21.5V
Short Circuit Current(isc)	0.98 A	1.10A	1.20A
Max. Power Voltage(Vmax)	17.5V	17.5V	17.5V
Max. Power Current(imax)	0.90A	1.05A	1.16A
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(%)	>7.5%	>9%	>10%
Operating Temperature	-40 to +85°C		

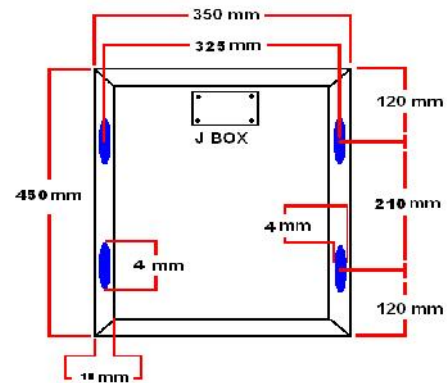
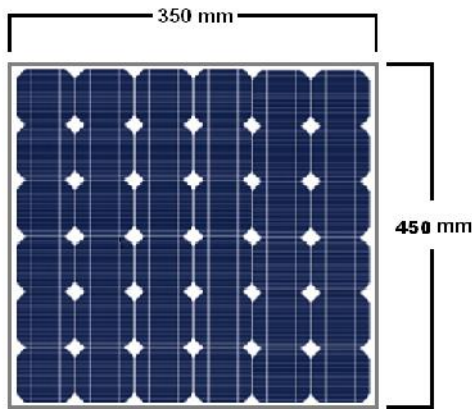
\*Conditions:(STC):Irradiance:1000W/m<sup>2</sup>,spectral distribution AM1.5,Cell temperature:25°C

### 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.



### Module Dimensions



### Certification



**MNRE**  
Channel  
Partner



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

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