



## Solar Photovoltaic Modules

### NEASE Solar Photovoltaic Module Specification Data

| Module Type                      | 12V/8WP                                   | 12V/10WP | 12V/12WP |
|----------------------------------|---|----------|----------|
| Max. Power                       | 8WP                                       | 10WP     | 12WP     |
| 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                           | 1.4 kg                                    |          |          |
| Glass Dimensions                 | 300 mm X 360 mm X 3.2 mm                  |          |          |
| <b>Electrical Characteristic</b> |   |          |          |
| Open Circuit Voltage(Voc)        | 21.5 V                                    | 21.5 V   | 21.5 V   |
| Short Circuit Current(Isc)       | 0.55 A                                    | 0.62A    | 0.75A    |
| Max. Power Voltage(Vmax)         | 17.5 V                                    | 17.5V    | 17.5V    |
| Max. Power Current(Imax)         | 0.50A                                     | 0.59A    | 0.71A    |
| 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%                                       | >8.5%    | >10%     |
| Operating Temperature            | -40 to +85°C                              |          |          |

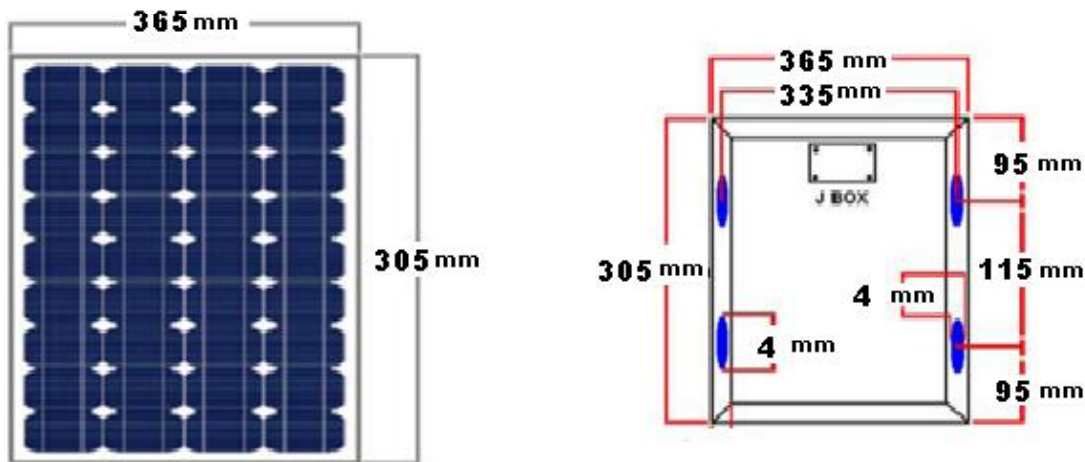
\*Conditions:(STC):Irradiance:1000W/m<sup>2</sup>,spectral distribution AM1.5,Cell temperature:25°C

### 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.**

## NEETY EURO-ASIA SOLAR ENERGY

B/4/1 GIDC Electronics Estate Sector - 25 Gandhinagar - 382024 Gujarat , India

Tel : +91-79-23287395,23287396 Fax : +91-79-23287394

Email: [sales@nease.in](mailto:sales@nease.in) & [info@nease.in](mailto:info@nease.in)

Web Site: [www.nease.in](http://www.nease.in)