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**Solar Panel Guide**

**Specification Data Sheet**

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# SOLAR MODULE EGE-30P-36 POLYCRYSTALLINE MODULE 30 W / 36 Cells / 5 Busbars cells



Eco Green Energy's modules are only made of grade A solar cells with a very high efficiency and ensured more than 25 years lifespan.

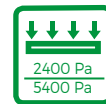
## KEY FEATURES



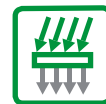
5 bus bars cells, with efficiency up to 21 %



IP65 or IP67 junction box for long term weather endurance



High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa



High transmissivity, low-iron tempered glass



High performance in low-light environment



Double EL test before and after lamination



**OUTPUT POWER WARRANTY**



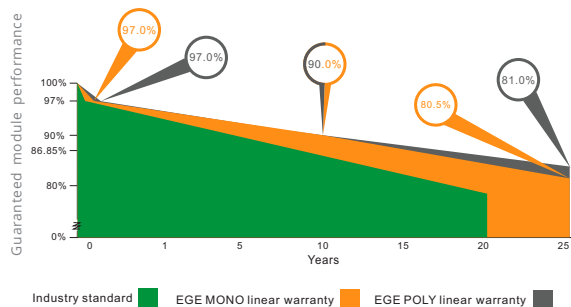
**PRODUCT WARRANTY**

## CERTIFICATES

IEC 61215 / IEC 61730 / CE  
ISO 9001:2015

## LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty · 25-Year Linear Power Warranty



## ELECTRICAL DATA AT STC\*

|                             |         |
|-----------------------------|---------|
| Power output (Pmax)         | 30 W    |
| Power tolerance             | 0~+3 %  |
| Module efficiency           | 12.80 % |
| Maximum power voltage (Vmp) | 18.34 V |
| Maximum power current (Imp) | 1.68 A  |
| Open circuit voltage (Voc)  | 22.54 V |
| Short circuit current (Isc) | 1.82 A  |

\*Standard Test Conditions: Irradiance: 1 000 W / m<sup>2</sup>  
Cell temperature: 25 °C • AM: 1.5

## ELECTRICAL DATA AT NOCT\*

|                             |         |
|-----------------------------|---------|
| Power output (Pmax)         | 22.19 W |
| Maximum power voltage (Vmp) | 16.94 V |
| Maximum power current (Imp) | 1.31 A  |
| Open circuit voltage (Voc)  | 20.92 V |
| Short circuit current (Isc) | 1.48 A  |

\*Nominal Operating Cell Temperature: Irradiance: 800 W / m<sup>2</sup>  
Ambient temperature: 20 °C • AM: 1.5 • Wind speed: 1 m/s

## TEMPERATURE CHARACTERISTICS

|                                 |             |
|---------------------------------|-------------|
| NOCT                            | 45 °C ±2 °C |
| Temperature coefficient of Pmax | -0.41%/°C   |
| Temperature coefficient of Voc  | -0.31%/°C   |
| Temperature coefficient of Isc  | +0.06%/°C   |

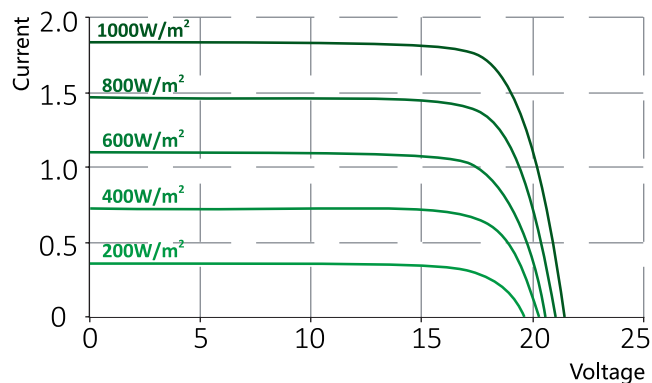
## MAXIMUM RATINGS

|                             |                |
|-----------------------------|----------------|
| Operating temperature range | -45 °C ~+85 °C |
| Maximum system voltage      | 1500 V         |
| Max series fuse rating      | 10 A           |
| Max front load (e.g.: snow) | 5 400 Pa       |
| Max back load (e.g.: wind)  | 2 400 Pa       |

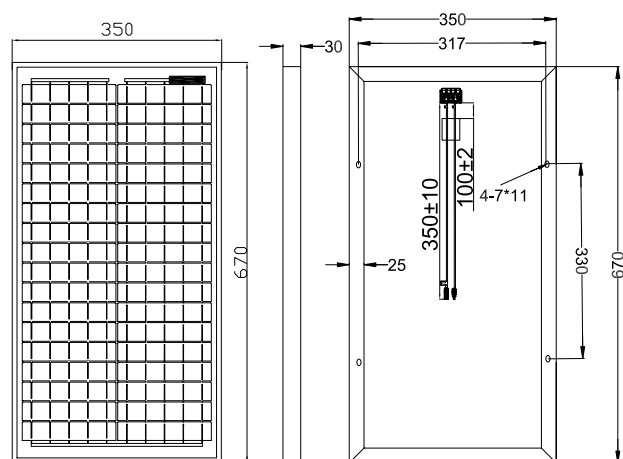
## MECHANICAL CHARACTERISTICS

|                 |                               |
|-----------------|-------------------------------|
| Cell type       | Polycrystalline (156x31.2 mm) |
| Number of cells | 36                            |
| Dimensions      | 350x670x30mm                  |
| Weight          | 2.7 kg                        |
| Glass           | 3.2 mm tempered glass         |
| Frame           | Anodized aluminium alloy      |
| Junction box    | IP65 or IP67                  |
| Cable           | 0.35 mm                       |
| Connector       | MC4 or MC4 compatible         |

## EGE-30P-36 / I-V CURVES



## ENGINEERING DRAWINGS (mm)



## PACKAGING

| Type              | Pcs/ Type | Weight |
|-------------------|-----------|--------|
| Per Box           | 5 pcs     | 14 kg  |
| 20ft GP Container | 3000 pcs  | 8.4 t  |
| 40ft GP Container | 6700 pcs  | 18.8 t |
| 40ft HQ Container | 7800 pcs  | 21.8 t |