



**ECO GREEN ENERGY**

## **EGE-140P-36 POLYCRYSTALLINE PHOTOVOLTAIC MODULE**



High efficiency

4 busbars cells, with efficiency up to 18.8 %.



Severe weather

IP65 junction box for long term weather endurance.



Quality frame

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

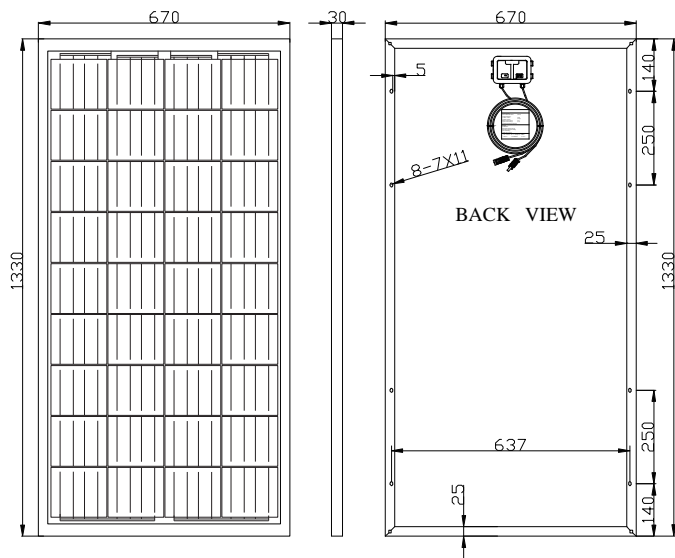


Quality glass

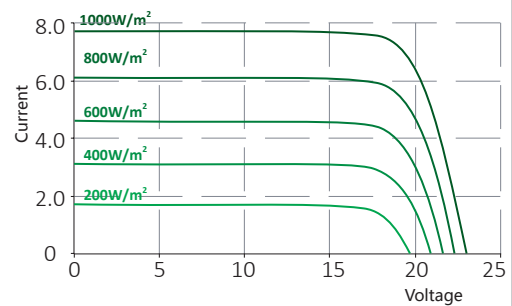
High transmissivity, low-iron tempered glass.



### Engineering drawings



### IV curves



### Temperature characteristics

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

### Electrical characteristics at STC\*

<b>Power output (Pmax)</b>	140 W
<b>Power output tolerance</b>	±3 %
<b>Panel efficiency</b>	15.71 %
<b>Maximum power voltage (Vmp)</b>	19.05 V
<b>Maximum power current (Imp)</b>	7.35 A
<b>Open circuit voltage (Voc)</b>	23.41 V
<b>Short circuit current (Isc)</b>	7.85 A

### General characteristics

<b>Cell type</b>	Polycrystalline (156×140 mm)
<b>Number of cells</b>	36
<b>Dimensions</b>	1330×670×30 mm
<b>Weight</b>	10.0 kg
<b>Glass</b>	3.2 mm tempered glass
<b>Frame</b>	Anodized aluminium alloy
<b>Junction box</b>	IP65
<b>Cable</b>	0.9 m
<b>Connector</b>	MC4 or MC4 compatible

\*Standard test conditions:  
irradiance: 1000 W/m<sup>2</sup> • cell temperature: 25 °C • AM: 1.5

### Electrical characteristics at NOCT\*

<b>Power output (Pmax)</b>	104 W
<b>Maximum power voltage (Vmp)</b>	17.59 V
<b>Maximum power current (Imp)</b>	5.88 A
<b>Open circuit voltage (Voc)</b>	21.73 V
<b>Short circuit current (Isc)</b>	6.37 A

### Packaging

<b>Per box</b>	2 pcs
<b>Per 20ft GP container</b>	700 pcs
<b>Per 40ft GP container</b>	1400 pcs
<b>Per 40ft HQ container</b>	1700 pcs

\*Nominal operating cell temperature:  
irradiance: 800 W/m<sup>2</sup> • ambient temperature: 20 °C • AM: 1.5 • wind speed: 1 m/s

### Operating conditions

<b>Operating temperature range</b>	-45 °C ~ +85 °C
<b>Max system voltage</b>	1000 V
<b>Max series fuse rating</b>	10 A
<b>Max front load (ex: snow)</b>	5400 Pa
<b>Max back load (ex: wind)</b>	2400 Pa

### Certification

