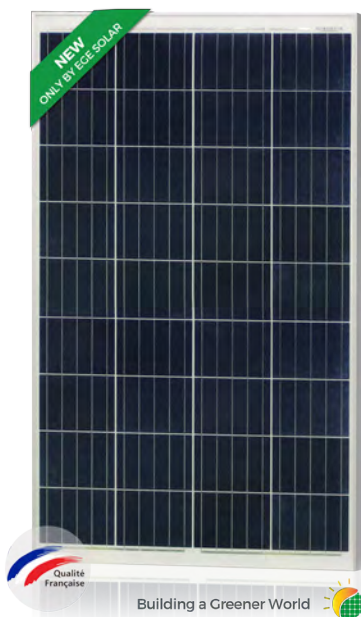


SOLAR MODULE EGE-120P-36 POLYCRYSTALLINE MODULE

120 W / 36 Cells / 5 Bus bars

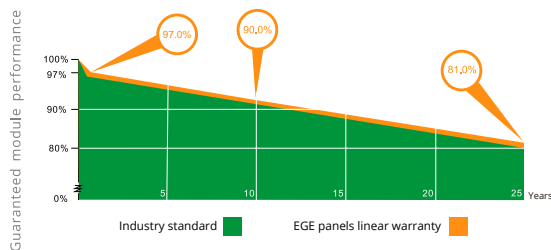


CERTIFICATES

IEC 61215 / IEC 61730 / CE
ISO 9001:2015

LINEAR PERFORMANCE WARRANTY

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



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.

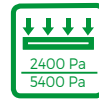
KEY FEATURES



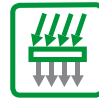
5 bus bars cells, with efficiency up to 21 %



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

ELECTRICAL DATA AT STC*

| | |
|-----------------------------|---------|
| Power output (Pmax) | 120 W |
| Power tolerance | 0~+3 % |
| Module efficiency | 15.35 % |
| Maximum power voltage (Vmp) | 18.42 V |
| Maximum power current (Imp) | 6.51 A |
| Open circuit voltage (Voc) | 22.62 V |
| Short circuit current (Isc) | 6.97 A |

*Standard Test Conditions: Irradiance: 1 000 W / m²
Cell temperature: 25 °C • AM: 1.5

ELECTRICAL DATA AT NOCT*

| | |
|-----------------------------|---------|
| Power output (Pmax) | 88.77 W |
| Maximum power voltage (Vmp) | 17.02 V |
| Maximum power current (Imp) | 5.21 A |
| Open circuit voltage (Voc) | 21.00 V |
| Short circuit current (Isc) | 5.66A |

*Nominal Operating Cell Temperature: Irradiance: 800 W / m²
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 |

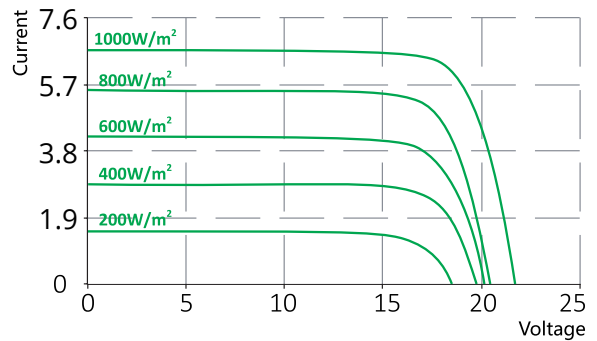
MAXIMUM RATINGS

| | |
|-----------------------------|----------------|
| Operating temperature range | -45 °C ~+85 °C |
| Maximum system voltage | 1500 V |
| Max series fuse rating | 20 A |
| Max front load (e.g.: snow) | 5400 Pa |
| Max back load (e.g.: wind) | 2400 Pa |

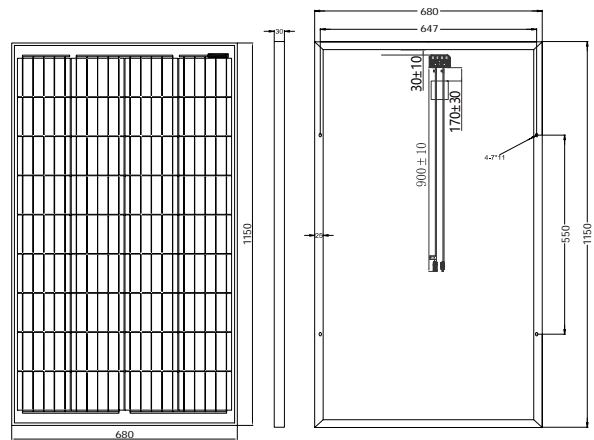
MECHANICAL CHARACTERISTICS

| | |
|-----------------|---------------------------------|
| Cell type | Polycrystalline (156.75x120 mm) |
| Number of cells | 36 |
| Dimensions | 1150x680x30mm |
| Weight | 8.8 kg |
| Glass | 3.2 mm tempered glass |
| Frame | Anodized aluminium alloy |
| Junction box | IP67 |
| Cable | 0.9 m |
| Connector | MC4 or MC4 compatible |

CURVES



ENGINEERING DRAWINGS (mm)



PACKAGING

| Type | Pcs/ Type | Weight |
|-------------------|-----------|--------|
| Per Box | 2 pcs | 19 kg |
| 20ft GP Container | 938 pcs | 8.7 t |
| 40ft GP Container | 2003 pcs | 18.6 t |
| 40ft HQ Container | 2217 pcs | 20.6 t |