

SOLAR MODULE EGE-120-125P-36 POLYCRYSTALLINE MODULE 120-125 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.

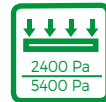
KEY FEATURES



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



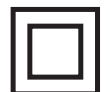
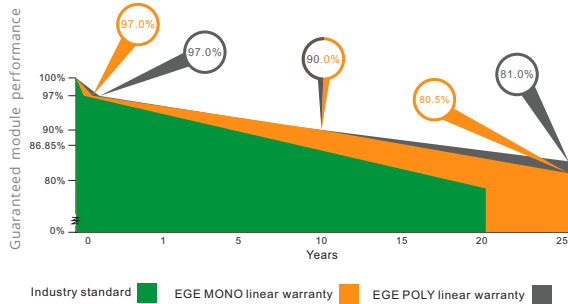
PRODUCT WARRANTY

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) | 120 W | 125 W |
| Power tolerance | 0~+3 % | 0~+3 % |
| Module efficiency | 14.44 % | 15.05 % |
| Maximum power voltage (Vmp) | 18.32 V | 18.52 V |
| Maximum power current (Imp) | 6.55 A | 6.75 A |
| Open circuit voltage (Voc) | 22.41 V | 22.61 V |
| Short circuit current (Isc) | 7.07 A | 7.27 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 | 92.47 W |
| Maximum power voltage (Vmp) | 16.92 V | 17.11 V |
| Maximum power current (Imp) | 5.24 A | 5.40 A |
| Open circuit voltage (Voc) | 20.80 V | 20.99 V |
| Short circuit current (Isc) | 5.74 A | 5.90 A |

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

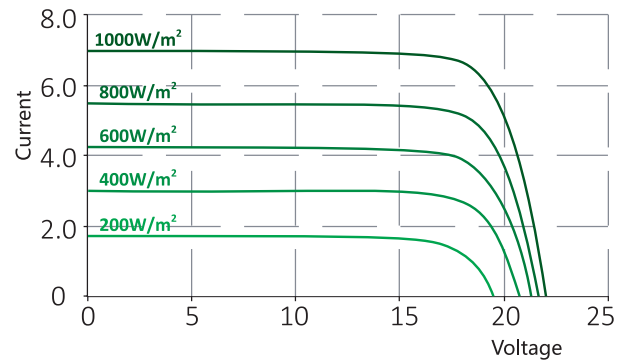
MAXIMUM RATINGS

| | |
|-----------------------------|----------------|
| Operating temperature range | -45 °C ~+85 °C |
| Maximum system voltage | 1500 V |
| Max series fuse rating | 15 A |
| Max front load (e.g.: snow) | 5 400 Pa |
| Max back load (e.g.: wind) | 2 400 Pa |

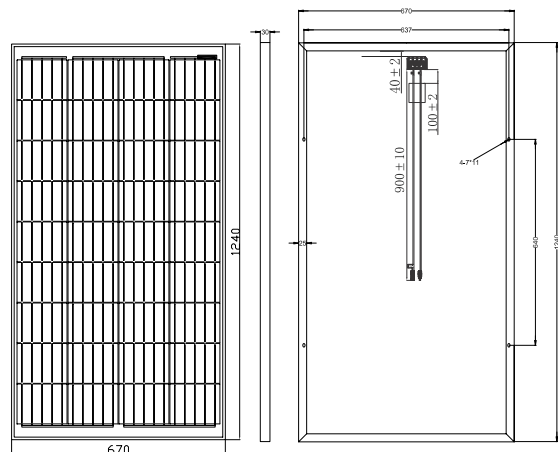
MECHANICAL CHARACTERISTICS

| | |
|-----------------|------------------------------|
| Cell type | Polycrystalline (156x125 mm) |
| Number of cells | 36 |
| Dimensions | 1240x670x30mm |
| Weight | 9.0 kg |
| Glass | 3.2 mm tempered glass |
| Frame | Anodized aluminium alloy |
| Junction box | IP65 or IP67 |
| Cable | 0.9 m |
| Connector | MC4 or MC4 compatible |

EGE-120-125P-36 / I-V CURVES



ENGINEERING DRAWINGS (mm)



PACKAGING

| Type | Pcs/ Type | Weight |
|-------------------|-----------|--------|
| Per pallet | 35 pcs | 345 kg |
| 20ft GP Container | 820 pcs | 8.1 t |
| 40ft GP Container | 1800 pcs | 17.7 t |
| 40ft HQ Container | 2050 pcs | 20.2 t |