

SOLAR MODULE

EGE-165/175P-72-36V

POLYCRYSTALLINE MODULE

165-175 W / 72 Cells / 5 Bus bars



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.

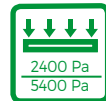
KEY FEATURES



5 bus bars cells, with efficiency up to 19 %



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



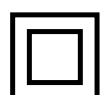
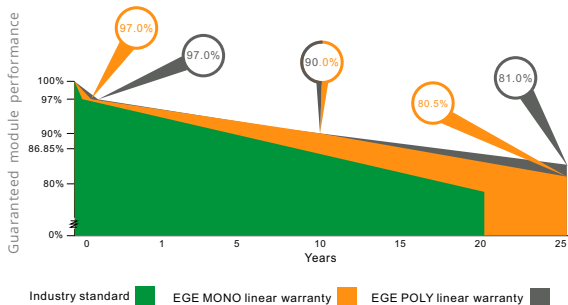
PRODUCT WARRANTY

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) | 165 W | 170 W | 175 W |
| Power tolerance | 0~+5 W | 0~+5 W | 0~+5 W |
| Module efficiency | 16.64 % | 15.30 % | 15.75 % |
| Maximum power voltage (Vmp) | 37.50 V | 36.01 V | 36.11 V |
| Maximum power current (Imp) | 4.40 A | 4.72 A | 4.85 A |
| Open circuit voltage (Voc) | 45.55 V | 44.79 V | 44.99 V |
| Short circuit current (Isc) | 4.61 A | 5.06 A | 5.18 A |

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

ELECTRICAL DATA AT NOCT*

| | | | |
|-----------------------------|----------|----------|----------|
| Power output (Pmax) | 122.06 W | 125.76 W | 129.46 W |
| Maximum power voltage (Vmp) | 34.63 V | 33.26 V | 33.35 V |
| Maximum power current (Imp) | 3.52 A | 3.78 A | 3.88 A |
| Open circuit voltage (Voc) | 42.28 V | 41.58 V | 41.76 V |
| Short circuit current (Isc) | 3.74 A | 4.11 A | 4.21 A |

*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 | 10 A |
| Max front load (e.g.: snow) | 5 400 Pa |
| Max back load (e.g.: wind) | 2 400 Pa |

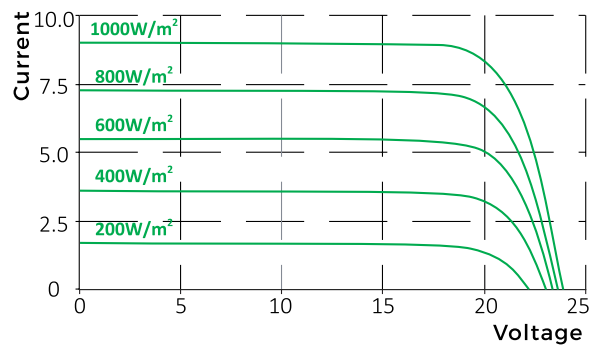
MECHANICAL CHARACTERISTICS

| | |
|-----------------|-----------------------------|
| Cell type | Polycrystalline (156x78 mm) |
| Number of cells | 72 |
| Dimensions | 1480x670x30 mm |
| Weight | 11.0 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 |

EMBALAJE

| Type | Pcs | Weight |
|-------------------|----------|--------|
| Pallet | 35 pcs | 410 kg |
| 20ft GP Container | 720 pcs | 8.4 t |
| 40ft GP Container | 1400 pcs | 16.6 t |
| 40ft HQ Container | 1800 pcs | 21.2 t |

I-V CURVES



ENGINEERING DRAWINGS (mm)

