

# SOLAR MODULE EGE-350-375M-72-PERC MONOCRYSTALLINE MODULE

350-375 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.

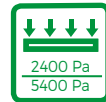
## KEY FEATURES



5 bus bars cells, with efficiency up to 22.8 %



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**



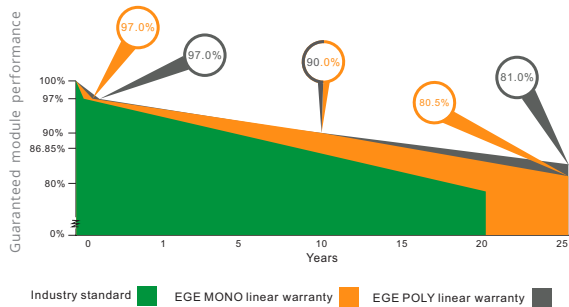
**PRODUCT WARRANTY**

## CERTIFICATES

IEC 61215 / IEC 61730 / CE  
ISO 9001:2015

## LINEAR PERFORMANCE WARRANTY

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



Industry standard ■ EGE MONO linear warranty ■ EGE POLY linear warranty ■



## ELECTRICAL DATA AT STC\*

|                             |         |         |         |         |         |         |
|-----------------------------|---------|---------|---------|---------|---------|---------|
| Power output (Pmax)         | 350 W   | 355 W   | 360 W   | 365 W   | 370 W   | 375 W   |
| Power tolerance             | 0~+5 W  | 0~+5 W  | 0~+5 W  | 0~+5 W  | 0~+5 W  | 0~+5 W  |
| Module efficiency           | 18.04 % | 18.30 % | 18.55 % | 18.81 % | 19.07 % | 19.33 % |
| Maximum power voltage (Vmp) | 38.71 V | 39.12 V | 39.34 V | 39.46 V | 39.55 V | 39.77 V |
| Maximum power current (Imp) | 9.04 A  | 9.07 A  | 9.15 A  | 9.25 A  | 9.35 A  | 9.43 A  |
| Open circuit voltage (Voc)  | 46.88 V | 47.02 V | 47.22 V | 47.30 V | 47.46 V | 47.65 V |
| Short circuit current (Isc) | 9.38 A  | 9.45 A  | 9.51 A  | 9.62 A  | 9.71 A  | 9.80 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)         | 260.97 W | 264.70 W | 268.43 W | 272.15 W | 275.88 W | 279.61 W |
| Maximum power voltage (Vmp) | 36.29 V  | 36.68 V  | 36.89 V  | 36.99 V  | 37.08 V  | 37.28 V  |
| Maximum power current (Imp) | 7.18 A   | 7.21 A   | 7.27 A   | 7.35 A   | 7.43 A   | 7.49 A   |
| Open circuit voltage (Voc)  | 43.48 V  | 43.61 V  | 43.79 V  | 43.87 V  | 44.01 V  | 44.19 V  |
| Short circuit current (Isc) | 7.63 A   | 7.68 A   | 7.73 A   | 7.82 A   | 7.90 A   | 7.97 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 | -0.396%/°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) | 5400 Pa        |
| Max back load (e.g.: wind)  | 2400 Pa        |

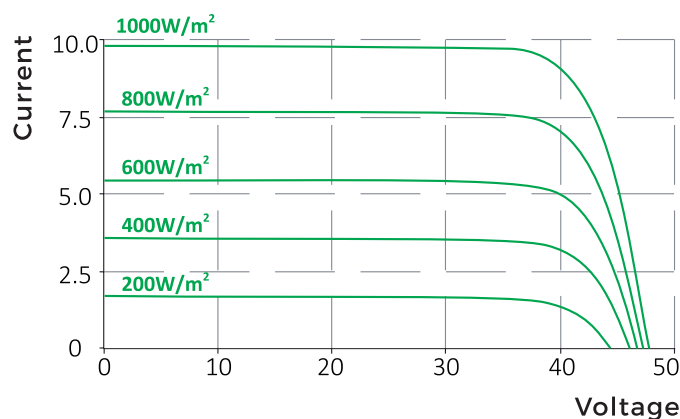
## MECHANICAL CHARACTERISTICS

|                 |                              |
|-----------------|------------------------------|
| Cell type       | Monocrystalline (156x156 mm) |
| Number of cells | 72                           |
| Dimensions      | 1956x992x40mm                |
| Weight          | 22.8 kg                      |
| Glass           | 3.2 mm tempered glass        |
| Frame           | Anodized aluminium alloy     |
| Junction box    | IP67                         |
| Cable           | 0.9 m                        |
| Connector       | MC4 or MC4 compatible        |

## PACKAGING

| Type              | Pcs/ Type | Weight   |
|-------------------|-----------|----------|
| Per pallet        | 26 pcs    | 622.8 kg |
| 20ft GP Container | 300 pcs   | 7.2 t    |
| 40ft GP Container | 624 pcs   | 14.9 t   |
| 40ft HQ Container | 696 pcs   | 16.7 t   |

## I-V CURVES



## ENGINEERING DRAWINGS (mm)

