



# EGE

## 80 Watt Mono - Crystalline Solar Module

EGE-80M

### Features

- ◆ Strong frame with higher resistance to snow and wind (mechanical load test of 5400Pa passed, instead of 2400Pa)
- ◆ High reliability with guaranteed +/-5% power output tolerance, ensuring return on investment
- ◆ Specification can be customized

### Quality and Safety

- ◆ Rigorous quality control meeting the highest international standards
- ◆ High-transmissivity low-iron 3.2mm tempered glass, extremely strong aluminium frame
- ◆ Secure embedding of sensitive glass edge using UV-resistant silicon
- ◆ IEC 61215 Certified / ISO 9001:2000 and ISO 14001:2004 certified
- ◆ conformity to CE

### Warranties

- ◆ 2 years limited product warranty
- ◆ 10 years at 90% of the minimal rated power output
- ◆ 25 years at 80% of the minimal rated power output





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## Electrical Characteristics

Maximum Power at STC ( $P_{max}$ )	80W
Optimum Operating Voltage ( $V_{mp}$ )	17V
Optimum Operating Current ( $I_{mp}$ )	5.29 A
Open-Circuit Voltage ( $V_{oc}$ )	21.5V
Short -Circuit Current ( $I_{sc}$ )	5.37A
Operating Temperature	-40 to 85 °C
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	+/-5%

## Mechanical Characteristics

Dimensions	1200mm*540mm*30mm
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV junction box IP65

## Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45°C +/-2°C
Temperature Coefficient of $P_{max}$	-0.5 %/°C
Temperature Coefficient of VOC	-0.34V/°C
Temperature Coefficient of ISC	+0.05%/°C

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