



EGE

90 Watt Mono - Crystalline Solar Module

EGE-90M

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}) | 90W |
| 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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NEW APPLICATION DEVELOPMENT**

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