



EGE

50 Watt Poly -Crystalline Solar Module

EGE- 50P

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})	50W
Optimum Operating Voltage (V _{mp})	17.5V
Optimum Operating Current (I _{mp})	3.11A
Open-Circuit Voltage (V _{oc})	21.50V
Short-Circuit Current (I _{sc})	3.31A
Operating Temperature	-40 to 85°C
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	+/-5%

Mechanical Characteristics

Dimensions	740mm*510mm*35mm
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV junction box IP65

Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	47°C +/-2°C
Temperature Coefficient of P _{max}	-0.48%/°C
Temperature Coefficient of V _{OC}	-0.34V/°C
Temperature Coefficient of I _{SC}	+0.037%/°C

**NEW ENERGY RENOVATION &
NEW APPLICATION DEVELOPMENT**

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