

MONO-CRYSTALLINE MODULE

CE-300/305/310/315/320M60



Features

- High conversion efficiency through advanced manufacturing technology
- 12 years product warranty, 25 years linear performance warranty
- 3%- 5% positive tolerance ensures more power generated
- Withstand snow loads up to 5400Pa and wind loads up to 2400Pa under extreme temperature
- Anti-PID modules effectively reduce the loss in solar panel power output
- Anti salt mist corrosion & anti-ammonia corrosion test

Certificates

- Manufactured according to International Management System Standard
Quality Management system: ISO9001
Environmental Management System: ISO14001
- Certified and approved by CE, TUV, IEC 61215, IEC 61730, and PV CYCLE

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Electrical Characteristics under STC*

| Module Type | CE-300M60 | CE-305M60 | CE-310M60 | CE-315M60 | CE-320M60 |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|
| Maximum Power-Pmax (Wp) | 300 | 305 | 310 | 315 | 320 |
| Voltage at Maximum Power-Vmp (V) | 32.6 | 32.8 | 33.0 | 33.2 | 33.4 |
| Current at Maximum Power-Imp (A) | 9.21 | 9.30 | 9.40 | 9.49 | 9.59 |
| Open Circuit Voltage-Voc (V) | 40.1 | 40.3 | 40.5 | 40.7 | 40.9 |
| Short Circuit Current-Isc (A) | 9.72 | 9.83 | 9.92 | 10.04 | 10.15 |
| Module Efficiency-ηm (%) | 18.44 | 18.75 | 19.05 | 19.36 | 19.67 |
| Power Tolerance (%) | 0/+3 | 0/+3 | 0/+3 | 0/+3 | 0/+3 |

Mechanical Characteristics

| | | |
|-----------------|--|------------------|
| Cell Type | Mono-crystalline | 156.75×156.75 mm |
| Number of Cells | 60 (6×10) | |
| Dimension | 1640×992×35 mm (64.57×39.06×1.38 inches) | |
| Weight | 19.5 kg | |
| Front Glass | Low Iron Tempered Glass | |
| Encapsulant | EVA | |
| Frame | Anodized Aluminum Alloy | |

Temperature Characteristics

| | |
|-------------------------------------|----------|
| NOCT* | 45±2°C |
| Temperature Coefficient of Pmax (%) | -0.40/°C |
| Temperature Coefficient of Voc (%) | -0.31/°C |
| Temperature Coefficient of Isc (%) | 0.04/°C |

Maximum System Ratings

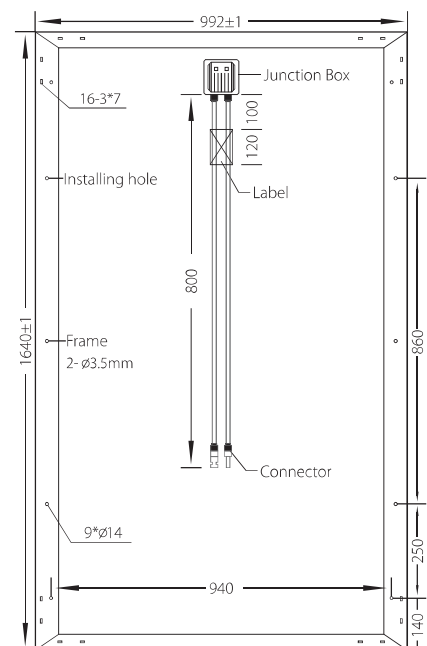
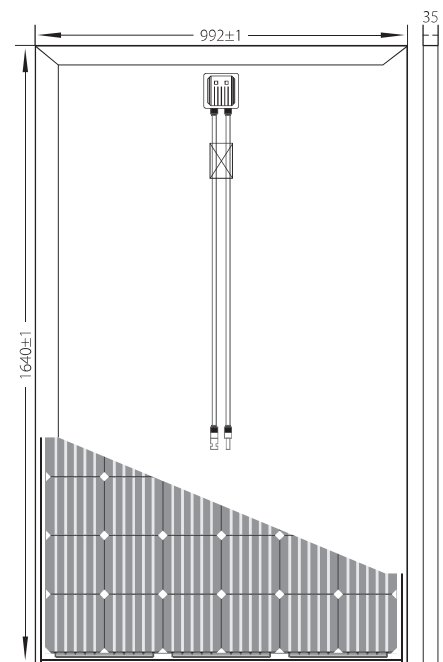
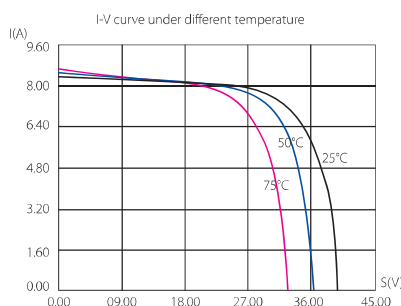
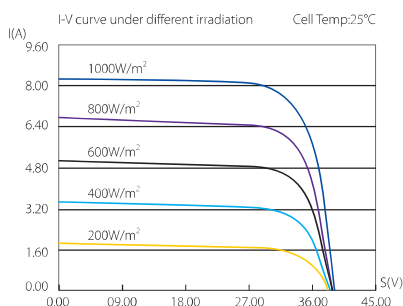
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|----------------------------|----------------|
| Operating Temperature | -40°C to +80°C |
| Maximum System Voltage | 1000/1500 V DC |
| Maximum Series Fuse Rating | 20A |

Warranty

12 years product warranty

12 years warranty on 90% power output

25 years warranty on 80% power output



*STC (Standard Testing Conditions): Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5
ambient temperature 20 °C, wind speed 1 m/s

*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s
The specifications in this datasheet are subjected to change without prior notice