MEGA 200 MAX
200 WATT SOLAR PANEL

200 WATT
MAXIMUM POWER OUTPUT

72 CELL
MONOCRYSTALLINE MODULE

0~+5W
POSITIVE POWER TOLERANCE

19.9%
MAXIMUM EFFICIENCY

FEATURES

• 9 buss bar solar cell configuration
• Lightweight anodized aluminum frame
• High transmission, AR (anti-reflective) coated tempered glass
• Plug and play junction box
• Industry standard quick connect cables (MC4) work in series or in parallel
• Highly reliable due to stringent quality control (Over 30 in-house tests (UV, TC, HF, and many more), PID resistant, 100% EL double inspection)
• Certified to withstand challenging environmental conditions (2400 Pa wind load, 5400 Pa snow load, 35 mm hail stones at 97 km/h)
• Excellent low light performance on cloudy days, mornings and evenings

INSTALLATION

• Easy installation and handling for various applications (high-end off-grid and mobile applications)
• Pre-drilled holes compatible with ground mounts, Z brackets, pole mounts and tilt mounts
• Compatible with on-grid and off-grid inverters

WARRANTY

• 25 year limited power output
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ELECTRICAL DATA (STC)

- Peak Power Watts-Pmax (Wp) 200 W
- Power Output Tolerance-Pmax (W) 0 ~ +5 W
- Maximum Power Voltage-Vmp (V) 37.6 V
- Maximum Power Current-Impp (A) 5.32 A
- Open Circuit Voltage-Voc (V) 45.4 V
- Short Circuit Current-Isc (A) 5.83 A
- Module Efficiency η (%) 19.9%

STC: Irradiance 1000W/m², Cell Temperature 77°F, Air Mass AM1.5

MECHANICAL DATA

- Solar Cells Monocrystalline 166 × 83 mm (6 inches)
- Cell Orientation 72 cells (4 × 18)
- Module Dimensions 58.7 × 26.8 × 1.4 in
- Weight 26.5 lb (12 kg)
- Glass 3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
- Backsheet White
- Frame Anodized Aluminium Alloy
- Junction Box IP 65 or IP 67 rated
- Cables Photovoltaic Technology Cable 4.0mm² (#/2 gauge), 35 inches (900 mm) Length
- Connector MC4

TEMPERATURE RATINGS

- NOCT (Nominal Operating Cell Temperature) 113±35°F
- Temperature Coefficient of Pmax -0.39%/°F
- Temperature Coefficient of Voc -0.29%/°F
- Temperature Coefficient of Isc 0.05%/°F

MAXIMUM RATINGS

- Operational Temperature -40 ~ +185°F
- Maximum System Voltage 1000VDC
- Maximum Series Fuse Rating 15A

WARRANTY

- 25 year Limited Output Power Warranty

(Please refer to product warranty for details)

CURVE CHARACTERISTICS