

MEGA 250

Monocrystalline Solar Panel

250W

Maximum Power Output

64 CELLS

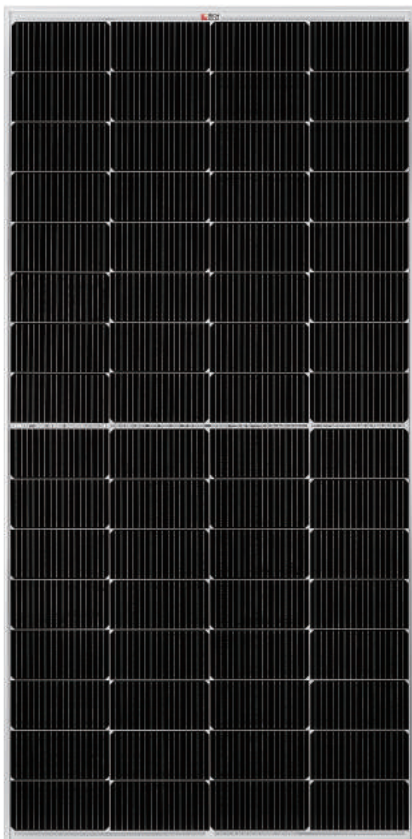
Monocrystalline Module

0~+5W

Positive Power Tolerance

19.5%

Maximum Efficiency



FEATURES

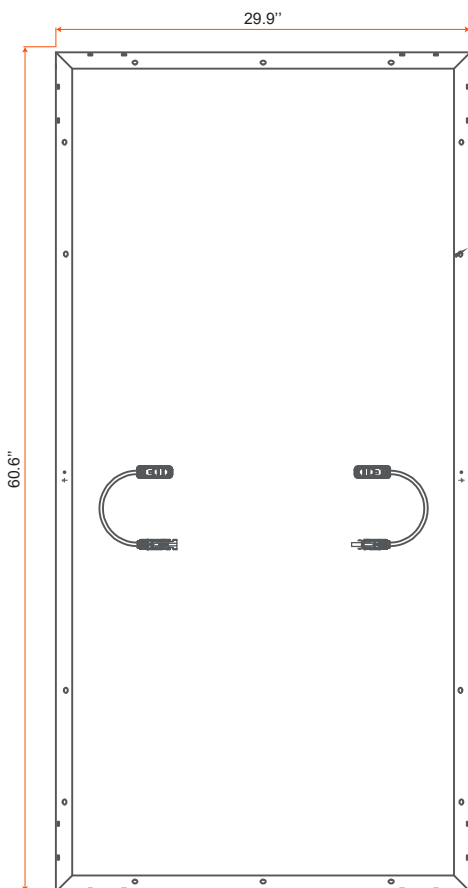
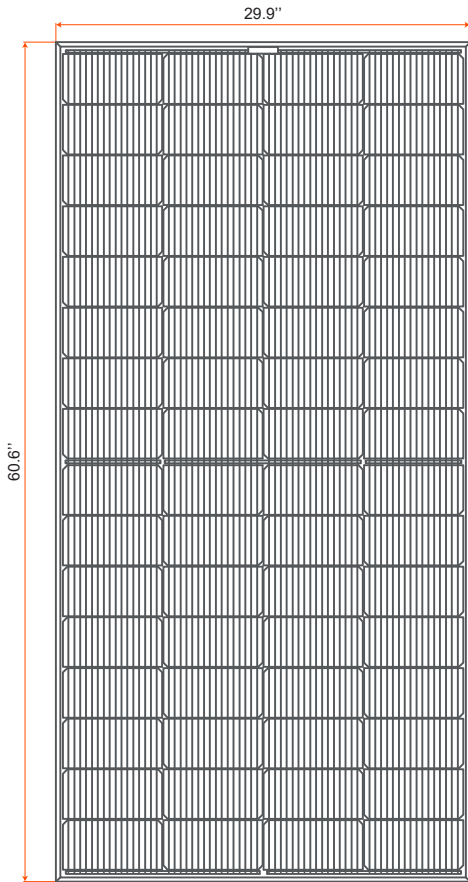
-  16 buss bar solar cell configuration
-  Lightweight anodized aluminum frame
-  Plug and play junction box
-  High transmission, AR (anti-reflective) coated tempered glass
-  Industry standard quick connect cables (MC4) work in series or in parallel
-  Excellent low light performance on cloudy days, mornings and evenings
-  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)

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 years warranty limited output power
- * (Please refer to product warranty for details)



ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)	250 W
Power Output Tolerance-PMAX (W)	0~+5 W
Maximum Power Voltage-VMPP (V)	18.9 V
Maximum Power Current-IMPP (A)	13.2 A
Open Circuit Voltage-VOC (V)	22.8 V
Short Circuit Current-ISC (A)	13.7 A
Module Efficiency η m (%)	19.5 %
STC: Irradiance 1000 W/m ² , Cell Temperature 25 °C, Air Mass AM = 1.5	

MECHANICAL DATA

Solar Cells	Monocrystalline 182 × 91 mm (6.5 inches)
Module Dimensions	60.6 × 29.9 × 1.2 inches (1540 × 760 × 30 mm)
Cell Orientation	64 cells (2 × (4 × 8))
Weight	25.8 lb (11.7 kg)
Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Connector	MC4
Frame	Anodized Aluminium Alloy
Junction Box	IP 65 or IP 67 rated
Cables	Photovoltaic Technology Cable 4.0 mm ² (#12 gauge), 35 inches (900 mm) Length

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of P _{MAX}	-0.39%/°C
Temperature Coefficient of V _{OC}	-0.29%/°C
Temperature Coefficient of I _{SC}	0.05%/°C

CURVE CHARACTERISTICS

