

MEGA 100 SLIM

Monocrystalline Solar Panel

100W

Maximum Power Output

32 CELLS

Monocrystalline Module

0~+5W









Positive Power Tolerance

19.2%

Maximum Efficiency



FEATURES

-  16 busbar 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 (Solar Connectors) 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).

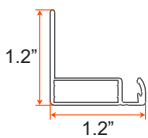
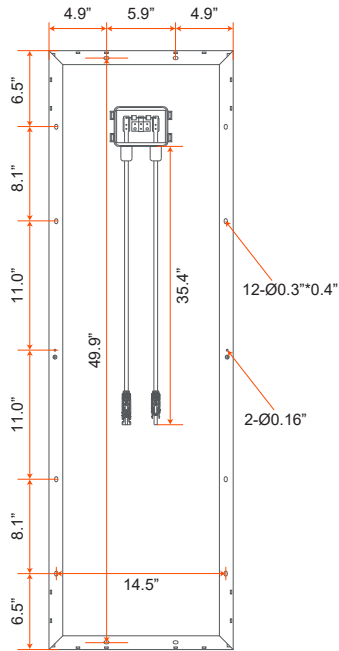
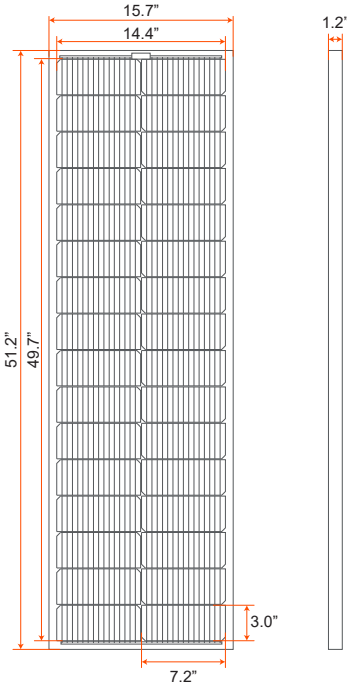
Pre-drilled holes compatible with ground mounts, Z brackets, pole mounts and tilt mounts.

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) | 100 W |
| Power Output Tolerance-PMAX (W) | 0~+5 W |
| Maximum Power Voltage-VMPP (V) | 18.1 V |
| Maximum Power Current-IMPP (A) | 5.52 A |
| Open Circuit Voltage-VOC (V) | 22.1 V |
| Short Circuit Current-ISC (A) | 5.96 A |
| Maximum System Voltage | 1000 VDC |
| Maximum Series Fuse Rating | 10 A |
| Module Efficiency η m (%) | 19.2 % |

STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM = 1.5

MECHANICAL DATA

| | |
|-------------------|--|
| Solar Cells | Monocrystalline 7.2 × 3.0 in (182 × 77 mm) |
| Module Dimensions | 51.2 × 15.7 × 1.2 in (1300 × 400 × 30 mm) |
| Cell Orientation | 32 cells (2 × 16) |
| Weight | 13.7 lb (6.2 kg) |
| Glass | 3.2 mm (0.13 in), High Transmission, AR Coated Tempered Glass |
| Backsheet | White |
| Connector | Solar Connectors |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP 67 rated |
| Cables | Photovoltaic Technology Cable 4.0 mm ² (#12 gauge), 35.4 in (900 mm) Length |

TEMPERATURE RATINGS

| | |
|---|---------------|
| Operating Temperature | -40°C ~ +85°C |
| Nominal Module Operating Temperature (NMOT) | 45°C ± 2°C |
| Temperature Coefficient of PMAX | -0.39%/°C |
| Temperature Coefficient of VOC | -0.29%/°C |
| Temperature Coefficient of ISC | 0.05%/°C |

CURVE CHARACTERISTICS

