

MEGA 400

Monocrystalline Solar Panel

400W

Maximum Power Output

108 CELLS

Monocrystalline Module

0~+5W









Positive Power Tolerance

20.97%

Maximum Efficiency



FEATURES

-  10 bus 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 (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).

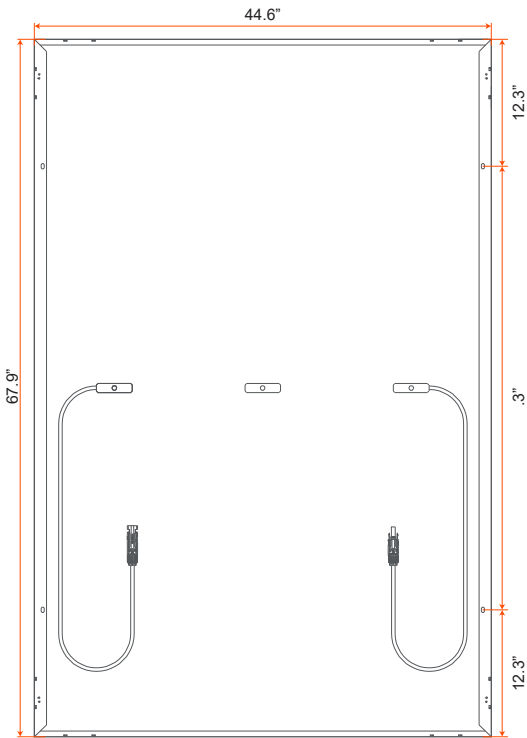
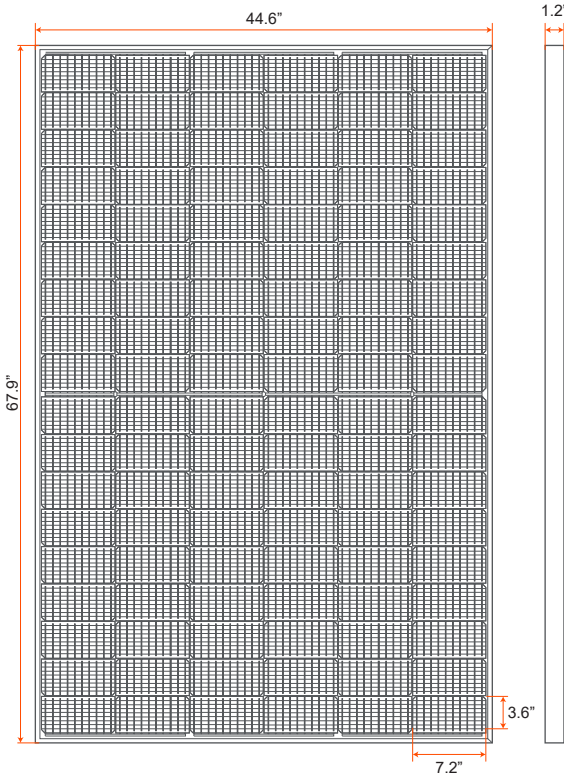
Pre-drilled holes compatible with ground mounts, Z brackets, pole mounts and tilt mounts.

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)	400 W
Power Output Tolerance-PMAX (W)	0~+5 W
Maximum Power Voltage-VMPP (V)	31.0 V
Maximum Power Current-IMPP (A)	12.9 A
Open Circuit Voltage-VOC (V)	37.1 V
Short Circuit Current-ISC (A)	13.7 A
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	20 A
Module Efficiency η_m (%)	20.97 %

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

MECHANICAL DATA

Solar Cells	Monocrystalline 7.2 × 3.6 in (182 × 91 mm)
Module Dimensions	67.9 × 44.6 × 1.2 in (1724 × 1134 × 30 mm)
Cell Orientation	108 cells (2 × (6 × 9))
Weight	45.2 lb (20.5 kg)
Glass	3.2 mm (0.13 in), High Transmission, AR Coated Tempered Glass
Backsheet	Black
Connector	Solar Connectors
Frame	Anodized Aluminium Alloy
Junction Box	IP 68, 3 diodes
Cables	4.0 mm ² (#12 gauge), 13.8 in (350 mm) Length, With Connectors

TEMPERATURE RATINGS

Operating Temperature	-40°C ~ +85°C
Nominal Module Operating Temperature (NMOT)	44°C ± 2°C
Temperature Coefficient of PMAX	-0.35%/°C
Temperature Coefficient of VOC	-0.29%/°C
Temperature Coefficient of ISC	0.05%/°C

CURVE CHARACTERISTICS

