

MEGA 100

Portable Solar Panel

100W

Maximum Power Output

64 CELLS

Monocrystalline Module

±5%W

Positive Power Tolerance

23.2%

Maximum Efficiency



FEATURES



High efficient 100-watt monocrystalline solar panel



Kickstand for better angle placement



Corner protection



Strong tempered glass and aluminum frame



Fully weatherproof



Monocrystalline solar cells

INSTALLATION

Easy installation and handling for various applications (high-end off-grid and mobile applications).

Compatible with on-grid and off-grid inverters.

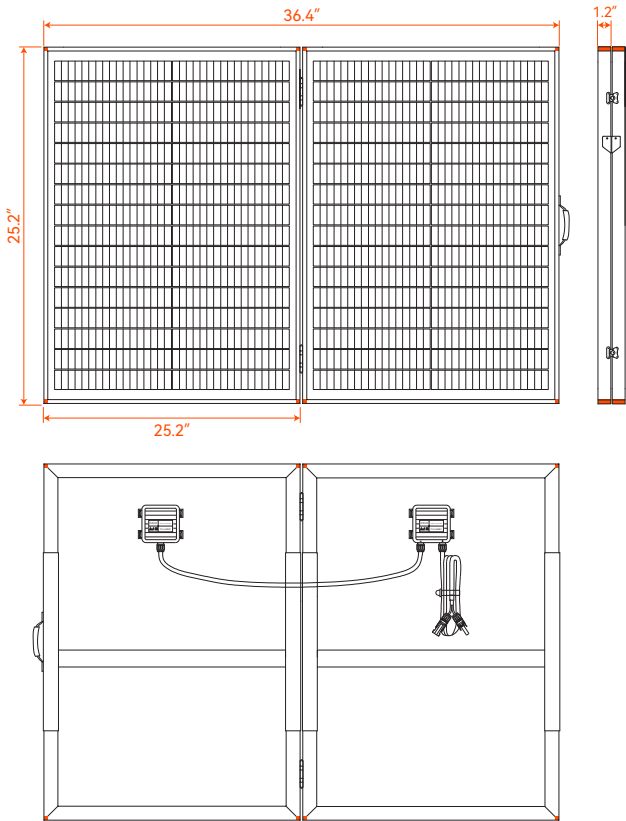
WARRANTY

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)	±5% W
Maximum Power Voltage-VMPP (V)	18.6 V
Maximum Power Current-IMPP (A)	5.38 A
Open Circuit Voltage-VOC (V)	22.8 V
Short Circuit Current-ISC (A)	5.78 A
Module Efficiency η m (%)	16.98 %
STC: Irradiance 1000 W/m ² , Cell Temperature 25 °C, Air Mass AM = 1.5	



MECHANICAL DATA

Solar Cells	Monocrystalline 8.3 × 1.4 inches (210 × 35 mm)
Module Dimensions (Unfolded)	36.4 × 25.2 × 1.2 in (925 × 640 × 30 mm)
Module Dimensions (Folded)	25.2 × 18.1 × 2.4 in (640 × 460 × 60 mm)
Cell Orientation	64 cells (32 × 2)
Weight	15.7 lb
Glass	High Transmission, AR Coated Tempered Glass
Backsheet	Black
Connector	MC4
Frame	Anodized Aluminium Alloy
Junction Box	IP 67
Cables	Photovoltaic Technology Cable 2.5 mm ² (#12 gauge), 59 in (1500 mm) Length

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	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

