

# 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.

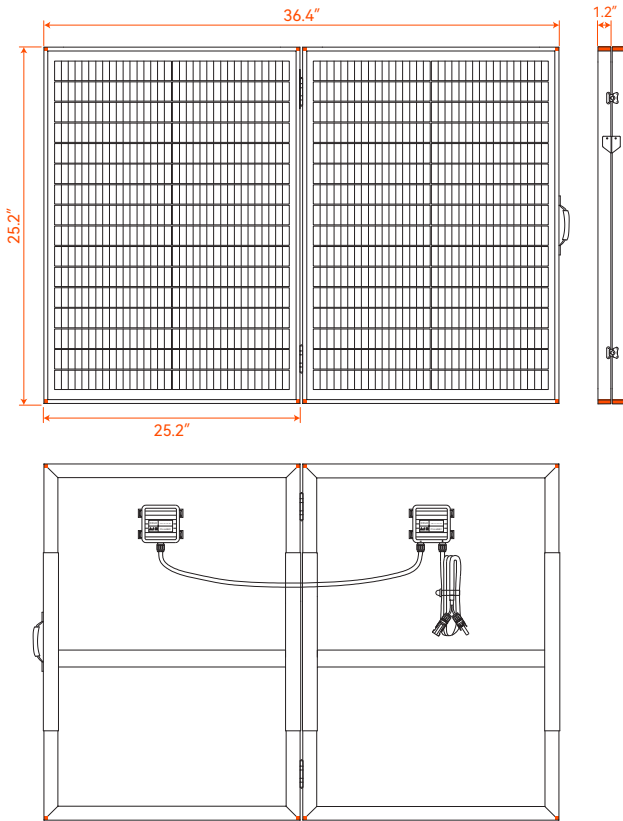
## WARRANTY

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 $\eta_m$ (%)	16.98 %
STC: Irradiance 1000 W/m <sup>2</sup> , 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 <sup>2</sup> (#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

