

# MEGA 150

## SOLAR PANEL

**150W**

Maximum Power Output

**30 CELLS**

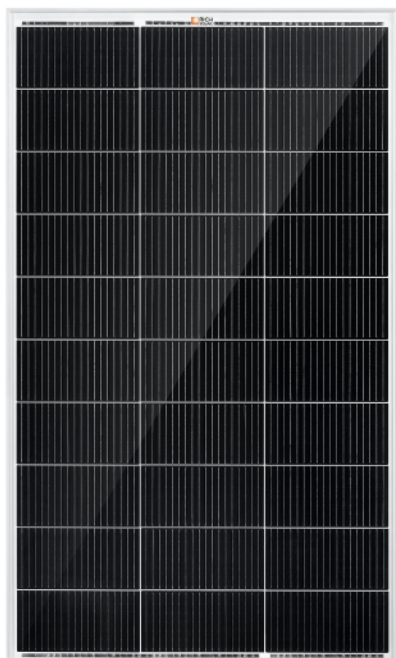
Monocrystalline Module

**0~+5W**

Positive Power Tolerance

**24.8%**

Maximum Efficiency



## FEATURES



18 busbar solar cell configuration



Lightweight anodized aluminum frame



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.

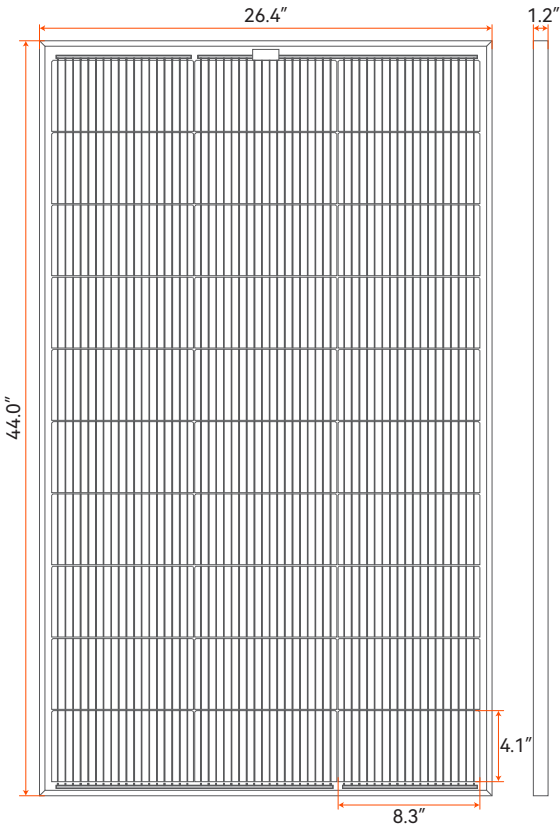
Compatible with on-grid and off-grid inverters.

## WARRANTY

25 years warranty limited output power

\* (Please refer to product warranty for details)



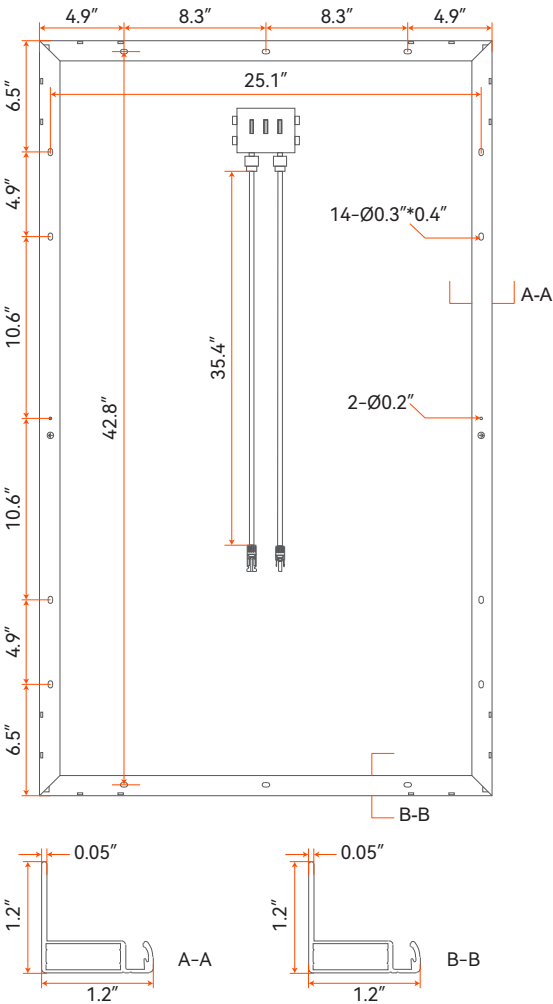


ELECTRICAL DATA (STC)

|   |          |
|---|----------|
| Peak Power Watts-PMAX (Wp)  | 150 W    |
| Power Output Tolerance-PMAX (W)   | 0~+5 W   |
| Maximum Power Voltage-VMPP (V)  | 17.5 V   |
| Maximum Power Current-IMPP (A)  | 8.57 A   |
| Open Circuit Voltage-VOC (V)  | 21.8 V   |
| Short Circuit Current-ISC (A)   | 8.94 A   |
| Maximum System Voltage  | 1000 VDC |
| Maximum Series Fuse Rating  | 15 A     |
| Module Efficiency $\eta$ m (%)  | 24.8 %   |
| STC: Irradiance 1000 W/m <sup>2</sup> , Cell Temperature 25 °C, Air Mass AM = 1.5 |          |

MECHANICAL DATA

|                   |  |
|-------------------|--|
| Solar Cells       | Monocrystalline 8.3 × 4.1 in (210 × 105 mm)  |
| Module Dimensions | 44.0 × 26.4 × 1.2 in (1118 × 670 × 30 mm)  |
| Cell Orientation  | 30 cells (3 × 10)  |
| Weight            | 18.1 lb (8.2 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 <sup>2</sup> (#12 gauge), 35.4 in (900 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

