

# MEGA 130W SLIM

## 130W 12V SOLAR PANEL

**25.1%**

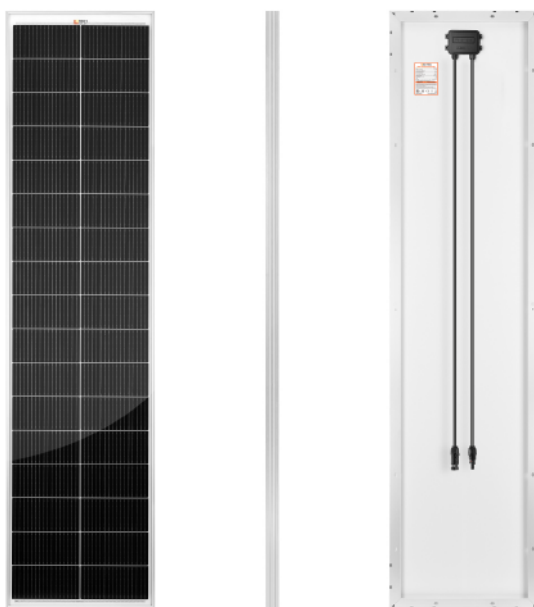
Maximum Cell Efficiency

**130W**

Maximum Power Output

**0~+5W**

Positive Power Tolerance

**MEGA 130 SLIM (MODEL: RS-M130SL)**

### Maximum Efficiency

N-Type TOPCon multi-busbar cell technology improves light trapping, reduces series resistance, and enhances current collection.

High-transmission, AR-coated tempered glass maximizes sunlight capture while ensuring long-term durability.

Superior low-light performance and a low temperature coefficient maintain strong output in varied weather conditions.

### Easy Installation

Plug-and-play solar connectors support both series and parallel configurations.

Lightweight, corrosion-resistant anodized aluminum frame allows for easy handling and extended lifespan.

Pre-drilled holes support flexible mounting options such as ground mounts, Z-brackets, poles, and tilt systems.

Ideal for high-end off-grid systems and mobile setups including RVs, cabins, and boats.

Designed for compatibility with existing mainstream optimizers, inverters, and mounting systems.

### Proven Reliability

Delivers consistent energy production even on cloudy days or during mornings and evenings.

Innovative non-destructive cutting technology minimizes micro-cracks for enhanced durability.

PID resistance is ensured through advanced cell processing and premium module material control.

Built to withstand harsh environments including salt, ammonia, sand, high temperatures, and high humidity.

Mechanical strength certified up to 5400 Pa positive load and 2400 Pa negative load.

### Exceptional Value

Delivers higher performance, greater savings, and long-term satisfaction.

Protected by a 25-year limited product warranty.

Backed by a 25-year performance warranty guaranteeing minimal power degradation over time.



Technical drawing of a wire shelving unit. The unit is shown in a perspective view, highlighting its depth and the grid structure of the shelves. Dimensions are indicated with red lines and text:

- Top width: 15.8"
- Bottom width: 7.2"
- Depth: 3.6"
- Right side depth: 1.2"

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25 °C, Air Mass AM = 1.5

|                   |  |
|-------------------|--|
| Solar Cells Type  | N-Type TOPCon 7.2 × 3.6 in (182.2 × 91.88 mm)  |
| Module Dimensions | 65.0 × 15.8 × 1.2 in (1650 × 400 × 30 mm)  |
| Cell Orientation  | 34 cells (2 × 17)  |
| Weight            | 13.9 lb (6.3 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 |

|   |            |
|---|------------|
| Nominal Module Operating Temperature (NMOT) | 45°C ± 2°C |
| Temperature Coefficient of P <sub>MAX</sub> | -0.35%/°C  |
| Temperature Coefficient of V <sub>OC</sub>  | -0.28%/°C  |
| Temperature Coefficient of I <sub>SC</sub>  | 0.045%/°C  |

The graph shows the relationship between Voltage (V), Current (A), and Power (W) for a 100W incandescent lamp. The X-axis represents Voltage (V) from 0 to 25. The left Y-axis represents Current (A) from 0 to 7. The right Y-axis represents Power (W) from 0 to 140. A black curve shows the current increasing linearly with voltage up to approximately 19V, then decreasing. An orange curve shows the power increasing with voltage, peaking at 100W at approximately 19V, then decreasing.

| Voltage (V) | Current (A) | Power (W) |
|-------------|-------------|-----------|
| 0           | 0.0         | 0         |
| 5           | 1.8         | 9         |
| 10          | 3.6         | 36        |
| 15          | 5.4         | 81        |
| 19          | 6.6         | 100       |
| 20          | 6.5         | 90        |
| 22          | 5.0         | 44        |
| 24          | 2.0         | 10        |