MEGA 100
100 WATT SOLAR PANEL

100 WATT
MAXIMUM POWER OUTPUT

33 CELL
MONOCRYSTALLINE MODULE

0~+5W
POSITIVE POWER TOLERANCE

19.8%
MAXIMUM EFFICIENCY

FEATURES

- 9 buss bar solar cell configuration
- Lightweight anodized aluminum frame
- High transmission, AR (anti-reflective) coated tempered glass
- Plug and play junction box
- Industry standard quick connect cables (MC4) work in series or in parallel
- 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)
- Excellent low light performance on cloudy days, mornings and evenings

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 year limited power output

RICH SOLAR is the leading supplier of off-grid solar equipment for RV, agriculture, off-grid housing, marine, light industrial and heavy equipment, provides solar panels and other equipment, including solar charge controllers, inverters, batteries and complete do-it-yourself solar kits.

We’d love to work with you to create the perfect solar solution for your product or industry. Lead your industry and increase product value by adding solar or making it solar-ready.

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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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**MECHANICAL DATA**
- **Solar Cells**: Monocrystalline
- **Cell Orientation**: 33 cells (3 x 11)
- **Module Dimensions**: 39.0 x 21.3 x 1.2 in
- **Weight**: 15 lb (6.8 kg)
- **Glass**: 3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
- **Backsheet**: White
- **Frame**: Anodized Aluminum Alloy
- ** Junction Box**: IP 65 or IP 67 rated
- **Cables**: Photovoltaic Technology Cable 4.0mm² (#12 gauge), 35 inches (900 mm) Length
- **Connector**: MC4

**TEMPERATURE RATINGS**
- **NOCT (Nominal Operating Cell Temperature)**: 113 ± 35°F
- **Temperature Coefficient of Pmax**: -0.39%/°F
- **Temperature Coefficient of Voc**: -0.29%/°F
- **Temperature Coefficient of Isc**: 0.05%/°F

**MAXIMUM RATINGS**
- **Operational Temperature**: -40 to 125°F
- **Maximum System Voltage**: 1000VDC
- **Maximum Series Fuse Rating**: 10A

**WARRANTY**
- 25 year Limited Output Power Warranty (Please refer to product warranty for details)

**CURVE CHARACTERISTICS**

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*www.richsolar.com*