RS-M170

170 WATT
MONOCRystalline SOLAR PANEL

170 WATT
MAXIMUM POWER OUTPUT

36 CELL
MONOCRystalline MODULE

0~+5W
POSITIVE POWER TOLERANCE

17.4%
MAXIMUM EFFICIENCY

FEATURES

- 5 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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ELECTRICAL DATA (STC)
- Peak Power Watts-P_{MAX} (Wp): 170 W
- Power Output Tolerance-P_{MAX} (W): 0~5 W
- Maximum Power Voltage-V_{MP} (V): 18.6 V
- Maximum Power Current-I_{SC} (A): 9.14 A
- Open Circuit Voltage-V_{OC} (V): 22.8 V
- Short Circuit Current-I_{SC} (A): 9.73 A
- Module Efficiency η_{m} (%): 17.4%

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

MECHANICAL DATA
- Solar Cells: Monocrystalline 156.75 × 156.75 mm (6 inches)
- Cell Orientation: 36 cells (4 × 9)
- Module Dimensions: 58.3 × 26.4 × 1.4 inches (1480 × 670 × 35 mm)
- Weight: 25.6 lb (11.6 kg)
- Glass: 3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
- Backsheet: White
- Frame: Anodized Aluminium 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): 45°C (+2°C)
- Temperature Coefficient of P_{MAX}: -0.39%/°C
- Temperature Coefficient of V_{OC}: -0.29%/°C
- Temperature Coefficient of I_{SC}: 0.05%/°C

MAXIMUM RATINGS
- Operational Temperature: -40~+85°C
- Maximum System Voltage: 1000VDC
- Max Series Fuse Rating: 15A

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

CURVE CHARACTERISTICS

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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