

90-Watt “L” Series Roof Mount Solar Kit: KIT1007

Handcrafted in Bend, Oregon with the highest quality materials available, and backed by a 25 year warranty, our panels lead the industry in both quality and longevity. Our easy-to-install “L” series kit is compatible with any 12-Volt battery bank, including lithium, and was specifically designed for RVs with limited roof space, such as the narrow, curved roofs of Airstreams.



30-Amp Controller



3-Port Roof Cap



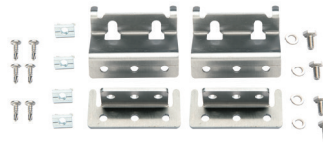
Pre-Wired Battery Harness



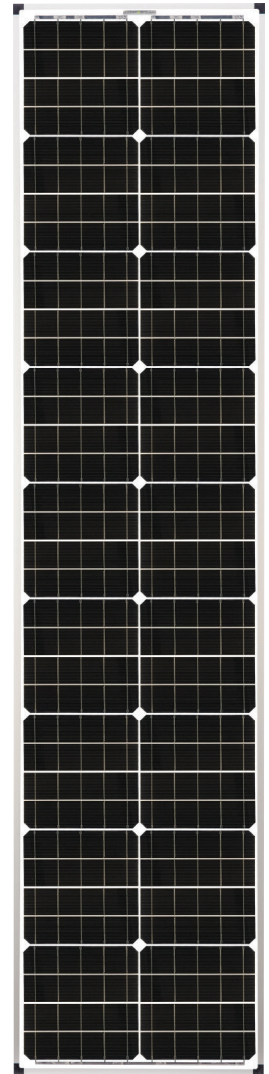
Pre-Wired Roof Cap Harness



Omni-Mount Frame



Omni-Mount Airstream Feet
Standard mounting options available



90-Watt “L” Series

Features

- Pre-assembled flexible UV rated wiring harnesses
- Easiest installation in the industry- no crimpers or connectors needed
- Grade A monocrystalline solar cells
- Omni-Mount Airstream feet - mount anywhere on the frame
- Slim panel perfect for Airstream roofs
- Specialized Anti-Reflective coated glass
- Vibration resistant anodized aluminum frame
- 3-Port roof cap allows for expansion panels
- Digital 5-stage charge controller with LCD display, shows volts, amps and amp hours
- 40-Amp self-resetting circuit breaker
- Stainless steel hardware

Kit Specifications

- KIT1007
- One each 90-Watt panel
- 14.3 lbs
- 90-Watt power output
- 30-Amp controller
- Generates 5 Amps
- Panel size: 58.3" x 13.6" x 1.5"
- Stainless steel mounting hardware and specialized feet for curved roofs

Expansion Kit Specifications

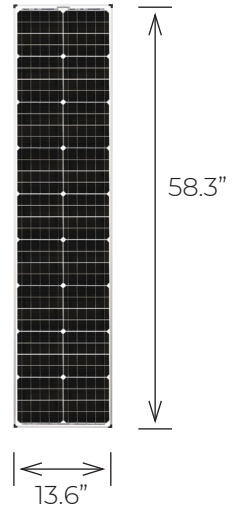
- KIT1010
- One each 90-Watt panel
- 90-Watt power output
- Mounting hardware

Panel: 90-Watt “L” Series

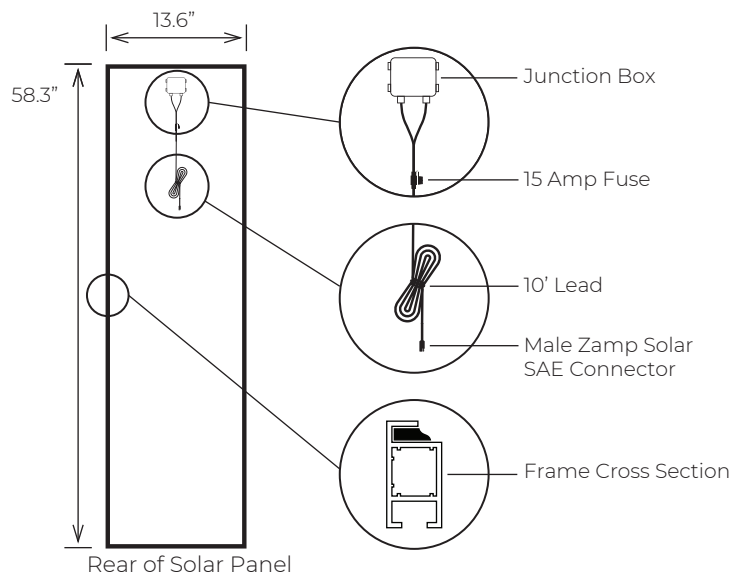
90-Watt High Efficiency Monocrystalline Solar Panel Electrical Characteristics

Maximum Power at STC*	90 W
Optimum Operating Voltage (V_{mp})	18 V
Optimum Operating Current (I_{mp})	5 A
Open Circuit Voltage (V_{oc})	23.8 V
Short Circuit Amperage (I_{sc})	5.4 A
Module Efficiency	17.5%
Operating Temperature	-40°C - 90°C
Power Tolerance	300 V

* STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C
 * NOCT: Nominal operating cell temperature (the data is only for reference)



Module Diagram



Electrical Characteristics

Cells	Monocrystalline Silicon Solar Cell
No. of Cells and Connections	36 (2x18)
Module Dimension in (mm)	58.3" x 13.6" x 1.4" (1481 x 345 x 35)
Weight lbs (kg)	14.3 lbs (6.5kg)

* Limited Warranty: 5-year limited warranty of materials and workmanship; 25-year power output warranty. For details contact us.
 * Specifications are subject to change without notice at any time.

Features

- 5 Buss bar solar cell configuration
- 10' UV Rated SAE Lead
- AR (anti-reflective) coated, tempered glass
- Proprietary Omni-Mount anodized aluminum frame and corner design

Testing

- Tested to UL 1703 requirements
- Flash Tested
- EL Tested

Curve Characteristics

