Go Power GP-RV-160E

Go Power Overlander-E 200W Solar Expansion Kit

Model: GP-RV-160E

Instruction Manual

1. Introduction

The Go Power Overlander-E 200W Solar Expansion Kit is designed to seamlessly expand your existing Go Power RV solar system. This kit provides additional solar capacity for charging 12V batteries in various off-grid applications, including RVs, boats, cottages, and cabins. It features easy installation with MC4 connectors for quick integration and is built for durability in harsh conditions.

2. Safety Information

- Always wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Ensure all electrical connections are secure and properly insulated to prevent short circuits.
- Do not attempt to modify the solar panel or its components. Refer to qualified personnel for repairs.
- Avoid scratching the rear surface of the module.
- Follow all applicable electrical safety precautions and local regulations.
- Disconnect the solar panel from the system before performing any maintenance.

3. Components Included

The Go Power Overlander-E 200W Solar Expansion Kit includes the following items:

- One 200-watt rigid solar panel
- MC4 parallel connectors

Note: Mounting hardware is typically included with Go Power expansion kits. Please verify package contents upon receipt.

4. Setup and Installation

The Overlander-E 200W Solar Expansion Kit is designed for straightforward integration with existing Go Power solar systems.

1. **Mounting the Solar Panel:** Securely mount the 200-watt rigid solar panel to your RV roof or desired location using appropriate mounting hardware (not included in this expansion kit, but typically part of the original

system). Ensure the panel is positioned to receive maximum sunlight exposure.

2. **Connecting MC4 Cables:** The solar panel comes with pre-attached MC4 cables. Connect these to the included MC4 parallel connectors. These connectors allow you to combine the output of multiple solar panels.
3. **Integrating with Existing System:** Connect the output from the MC4 parallel connectors to your existing Go Power solar charge controller. The MC4 connectors ensure a reliable and safe connection.

For a visual guide on connecting solar panels to a power station, please refer to the video below:

Video: Product Overview and Connection Guide. This video demonstrates the connection process for a solar panel to a power station, illustrating the use of MC4 and XT60 connectors.

The image below shows the solar panel and its MC4 connectors:

Image: Go Power Overlander-E 200W Solar Panel. This image displays the solar panel along with its MC4 connectors, ready for integration into a solar power system.

A closer look at the MC4 connectors:

Image: MC4 Parallel Connectors. This close-up shows the MC4 connectors used for parallel wiring between solar modules, ensuring a secure connection.

5. Operating Instructions

Once installed, the Go Power Overlander-E 200W Solar Expansion Kit operates automatically with your existing solar charge controller to charge your 12V battery bank. Ensure the solar panel is exposed to direct sunlight for optimal performance.

- **Sunlight Exposure:** Position the solar panel to maximize exposure to direct sunlight throughout the day. Adjusting the panel's angle can improve energy harvest.
- **Monitoring:** Monitor your solar charge controller's display to observe charging status and battery voltage.
- **System Compatibility:** This expansion kit is compatible with Go Power solar kits of 100 watts or higher, allowing for flexible system expansion.

The image below illustrates the dimensions of the solar panel:

Image: Go Power Overlander-E 200W Solar Panel with Dimensions. This image provides a visual representation of the solar panel's physical dimensions for planning installation.

The image below shows the solar panels installed on an RV roof:

Image: Go Power Solar Panels on an RV Roof. This image demonstrates a typical installation of Go Power solar panels on the roof of a recreational vehicle.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your solar panel.

- **Cleaning:** Periodically clean the surface of the solar panel with a soft cloth and mild, non-abrasive cleaner to remove dirt, dust, and debris that may reduce efficiency.
- **Inspection:** Regularly inspect the panel for any physical damage, such as cracks in the glass or frame, and check all electrical connections for corrosion or looseness.
- **Shading:** Ensure no new obstructions (e.g., tree branches, accumulated snow) are casting shadows on the panel, as this can significantly reduce power output.

7. Troubleshooting

If your solar panel system is not performing as expected, consider the following common issues:

- **Low Power Output:** Check for shading on the panel surface. Ensure the panel is clean. Verify all connections are secure.
- **No Charging:** Confirm that the solar panel is receiving direct sunlight. Check all wiring from the panel to the charge controller and to the battery for proper connection and integrity. Ensure the charge controller is functioning correctly.
- **Damaged Components:** Inspect the panel for visible damage. If any components are damaged, contact Go Power customer support for assistance.

8. Specifications

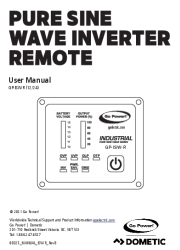
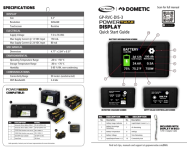
Specification	Value
Brand	Go Power
Model	GP-RV-160E (Overlander-E)
Maximum Power	200 Watts

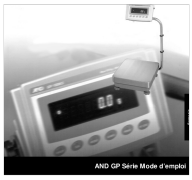
Maximum Voltage	12 Volts
Product Dimensions	58.3"L x 26.5"W x 1.4"H
Item Weight	24.5 Pounds
Efficiency	High Efficiency
Included Components	200-watt rigid solar panel, MC4 parallel connectors
UPC	839085002223, 700115570534

9. Warranty and Support

Specific warranty details for the Go Power Overlander-E 200W Solar Expansion Kit are not provided in this document. For comprehensive warranty information, product registration, and technical support, please visit the official Go Power website or contact their customer service directly.

Related Documents - GP-RV-160E

	Go Power! RV Solar Power Kits User Manual & Installation Guide Comprehensive user manual and installation guide for Go Power! RV Solar Power Kits. Learn about system operation, planning, installation steps, maintenance, and warranty information for various models including SOLAR EXTREME, SOLAR ELITE, WEEKENDER ISW, OVERLANDER, RETREAT, and SLIM series.
	Stäubli CombiTac uniq Main Catalog: Modular Connector Solutions Explore the Stäubli CombiTac uniq main catalog, featuring modular connector solutions designed for up to 100,000 mating cycles. Discover customizable options for power, signal, data, and more.
	Go Power! GP-ISW-R Pure Sine Wave Inverter Remote User Manual User manual for the Go Power! GP-ISW-R Pure Sine Wave Inverter Remote, detailing its features, specifications, front panel controls, rear panel connections, and operational indicators.
	Go Power! Dometic GP-RVC-DIS-3 PowerTrak Display Quick Start Guide Concise guide for the Go Power! Dometic GP-RVC-DIS-3 PowerTrak Display, covering specifications, installation, setup, compatible products, and device screen information for RV power systems.

	[Go Power! Solar All-Electric Kits™ User Manual: Installation and Operation Guide] Comprehensive user manual for Go Power! Solar All-Electric Kits (GP-AE-4, GP-AE-6), covering installation, connections, operation, and specifications. Learn how to power your RV off-grid with solar energy.
	[Manuel d'utilisation AND GP Série : Guide Complet pour votre Balance de Précision] Découvrez le manuel d'utilisation détaillé pour la série AND GP. Apprenez à utiliser, installer, calibrer et entretenir votre balance de précision pour des mesures fiables et efficaces.