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› Go Power! Portable Folding Solar Kit 120 Watt User Manual

Go Power GP-PSK-120

Go Power! Portable Folding Solar Kit 120 Watt

Model: GP-PSK-120

Brand: Go Power

INTRODUCTION

The Go Power! Portable Folding Solar Kit is designed to provide reliable solar power for charging batteries in various off-grid applications. Its rugged construction ensures durability, while the folding design allows for easy transport and setup. This kit features a built-in PWM solar controller to prevent battery overcharging, making it ideal for campers, RVs, pop-up trailers, and boats.

SAFETY INFORMATION

- Always read and understand all instructions before operating the solar kit.
- Ensure proper polarity when connecting to batteries to avoid damage to the kit or battery.
- Do not attempt to disassemble or modify the solar panel or controller. Refer all servicing to qualified personnel.
- Keep the solar panels clean and free from obstructions for optimal performance.
- Avoid direct contact with the solar panel surface when it is generating power, as it may be hot.
- Store the kit in a dry, cool place when not in use.

PACKAGE CONTENTS

- Go Power! Portable Folding Solar Kit (120 Watt)
- Built-in PWM Solar Controller
- Adjustable Folding Legs
- 15 Foot Cable
- Battery Clamps
- Anderson Connectors
- Heavy Duty Carrying Case

SETUP

1. **Unfold the Solar Kit:** Carefully remove the solar kit from its carrying case. Unfold the panels and extend the adjustable folding legs to position the panels at an optimal angle towards the sun.
2. **Positioning:** Place the solar kit in a location with direct, unobstructed sunlight. The 15-foot cable allows you to park your vehicle or RV in the shade while the solar kit remains in the sun.
3. **Connect to Battery:** Using the provided 15-foot cable and battery clamps, connect the solar kit directly to your 12V battery. Ensure correct polarity: connect the positive (+) clamp to the positive battery terminal and the negative (-) clamp to the negative battery terminal. The built-in PWM controller will manage the charging process.
4. **Secure Connections:** Ensure all connections are secure to prevent accidental disconnections or power loss.



Image: The Go Power! Portable Folding Solar Kit unfolded and ready for use. This image illustrates the two solar panels and the adjustable support legs, demonstrating its portable and easy-to-deploy design.

OPERATING

Once connected and positioned, the Go Power! Portable Folding Solar Kit will automatically begin charging your 12V battery. The integrated PWM (Pulse Width Modulation) solar controller regulates the voltage and current from the solar panels to the battery, preventing overcharging and optimizing battery life.

- **Monitoring:** The built-in controller may have indicators to show charging status. Refer to the controller's specific instructions for detailed monitoring features.
- **Optimal Performance:** For best results, periodically adjust the panel's angle to directly face the sun throughout the day. Ensure no shadows fall on the panels, as even partial shading can significantly reduce power output.
- **Disconnecting:** When finished charging or when storing the unit, disconnect the battery clamps from the battery terminals first, then fold the panels and store them in the carrying case.

MAINTENANCE

- **Cleaning:** Regularly clean the surface of the solar panels with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and efficiency. Do not use abrasive cleaners or harsh chemicals.
- **Inspection:** Periodically inspect the cables, connectors, and the panel frame for any signs of wear, damage, or corrosion. Ensure all connections remain tight.
- **Storage:** When not in use, fold the solar kit and store it in its heavy-duty carrying case. Keep it in a dry, cool place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No charging indication	No sunlight; Incorrect battery connection; Damaged cable/controller	Move panels to direct sunlight; Check polarity and secure connections; Inspect cables for damage.
Low charging output	Partial shading; Dirty panels; Incorrect panel angle; Low battery voltage	Ensure full sun exposure; Clean panel surface; Adjust panel angle; Battery may be deeply discharged.
Controller error light	Overload; Short circuit; Reverse polarity	Disconnect and re-connect; Check for short circuits in wiring; Verify battery polarity.

SPECIFICATIONS

Feature	Detail
Model Number	GP-PSK-120
Maximum Power	120 Watts
AC Adapter Current	6.7 Amps
Controller Type	Built-in PWM
Cable Length	15 Feet
Item Weight	35 pounds
UPC	700115570510

WARRANTY INFORMATION

Go Power! products are designed for reliability and performance. This product comes with a manufacturer's warranty covering defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Go Power! website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Go Power! customer support. Detailed contact information can typically be found on the manufacturer's website or in the product packaging.
Note: Always provide your product model number (GP-PSK-120) and purchase date when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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