Togo POWER Portable Solar Charger Controller (Model B0CF9DGFC7)

Togo POWER Portable Solar Charger Controller User Manual

Model: Portable Solar Charger Controller (B0CF9DGFC7)

1. INTRODUCTION

Thank you for choosing the Togo POWER Portable Solar Charger Controller. This device is designed to efficiently convert solar energy from your portable solar panel into usable power for charging various electronic devices via USB-A and USB-C ports. It features intelligent charging protection and a compact design, making it ideal for outdoor adventures and emergency preparedness. Please read this manual thoroughly before use to ensure safe and optimal operation.

2. SAFETY INSTRUCTIONS

- Do not expose the controller to extreme temperatures, direct sunlight for prolonged periods, or moisture.
- Ensure all connections are secure before operation.
- Do not attempt to disassemble or modify the device. This will void the warranty and may cause damage or injury.
- Keep out of reach of children.
- Use only with compatible solar panels and charging cables.
- Avoid dropping or subjecting the device to strong impacts.

3. PRODUCT OVERVIEW

The Togo POWER Portable Solar Charger Controller expands the charging capabilities of your portable solar panel, offering multiple output ports and robust protection features.

Image: Top-down view of the Togo POWER Portable Solar Charger Controller, highlighting its compact design and port layout.

Key Features:

- **Dual Input Ports:** DC7909 and Anderson connections for versatile solar panel compatibility.

- **Dual Output Ports:** USB-A (Max 24W) and USB-C (Max 60W) for fast charging multiple devices.

- **Intelligent Protection:** Includes auto-restart, overload, short-circuit, and overvoltage protection.

- **Temperature Protection:** Ensures safe charging of connected devices.

- **Compact and Lightweight:** Easy to carry for travel and outdoor use.

Image: Visual representation of the controller's dual fast charging capabilities and integrated protection features.

4. SETUP INSTRUCTIONS

Connecting to a Solar Panel:

1. Ensure your solar panel is placed in direct sunlight for optimal power generation.

2. Identify the output cable from your solar panel. The Togo POWER controller supports DC7909 and Anderson connectors.

3. Connect the solar panel's output cable to the corresponding input port on the Togo POWER controller. The input ports are labeled 'INPUT'.

4. Once connected, a red light on the controller will illuminate, indicating that input power is available.

Image: The controller displaying its DC7909 and Anderson input ports, illustrating its universal compatibility.

Red light ON

Input power available

Red light ON

Fast charging mode

Image: The controller's indicator lights, showing when input power is detected and when fast charging is active.

5. OPERATING INSTRUCTIONS

Charging Devices:

1. After connecting the solar panel to the controller, connect your electronic device (e.g., smartphone, tablet) to either the USB-A or USB-C output port on the controller using a compatible charging cable.

2. The controller will automatically detect the connected device and begin charging. The red light will indicate fast charging mode if supported by the device and sufficient solar input.

3. You can charge multiple devices simultaneously using both USB-A and USB-C ports.

4. The controller's design allows you to keep your sensitive devices in a shaded or safe environment while the solar panel remains in direct sunlight.

Image: The controller facilitating device charging inside a tent, keeping the device protected from direct sunlight while the solar panel is exposed.

Image: Multiple devices being charged by the controller, demonstrating its temperature protection feature.

6. MAINTENANCE

- Keep the controller clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the device in a cool, dry place when not in use.
- Regularly check cables and connectors for any signs of wear or damage. Replace damaged components immediately.
- Avoid exposing the ports to water or other liquids.

7. TROUBLESHOOTING

Common Issues and Solutions:

- **Device not charging:**

  - Ensure the solar panel is receiving adequate sunlight.
  - Verify all connections between the solar panel, controller, and device are secure.
  - If there was a power interruption, try disconnecting and reconnecting the USB load to restart charging.
  - Check if the red input light on the controller is illuminated, indicating power from the solar panel.

- **Slow charging:**

  - Ensure the solar panel is in optimal sunlight conditions.
  - Check the charging cable for damage or if it supports fast charging for your device.
  - The output power depends on the input voltage from the solar panel. For 20V Power Delivery (PD) output, the input voltage from the solar panel typically needs to be above 21V. If the input voltage is lower, the maximum output voltage will be limited.

- **Controller feels warm:**

  - It is normal for the controller to become warm during operation, especially during fast charging or high power output. The device includes temperature protection to prevent overheating.
  - If it becomes excessively hot, disconnect devices and allow it to cool down in a shaded area.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	4.13 x 2.05 x 0.98 inches
Item Weight	3.52 ounces (0.16 lbs)
Input Voltage	9.6V-32V (DC7909/Anderson)
USB-A Output	Max 24W (5V 3A, 9V 2A, 12V 2A)
USB-C Output	Max 60W (5V 3A, 9V 3A, 12V 3A, 15V 3A, 20V 3A)
Operating Temperature	-20°C to 65°C (-4°F to 149°F)
Protection Features	Auto-restart, Overload, Overcurrent, Short-circuit, Overvoltage, Temperature Protection
Included Components	Controller, Extension Cable (if applicable)

9. WARRANTY INFORMATION

Togo POWER products are designed and manufactured to the highest quality standards. This product comes with a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official Togo POWER

website. Please retain your proof of purchase for warranty claims.
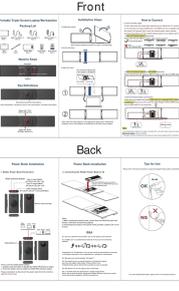
10. Customer Support

If you encounter any issues or have questions regarding your Togo POWER Portable Solar Charger Controller, please contact our customer support team. You can find contact information on our official website or through your purchase platform.

For more information and product updates, visit the Togo POWER Store on Amazon.

Related Documents - **Portable Solar Charger Controller (Model B0CF9DGFC7)**

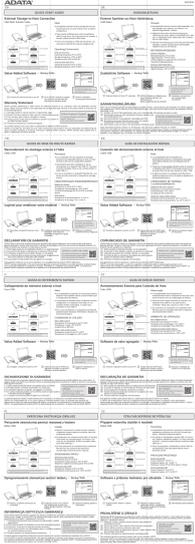|	
Togo POWER 200W ソーラーパネル SSP50-200S(NEW) 取扱説明書	[Togo POWER 200W SSP50-200S(NEW)](#) Togo POWER 200W SSP50-200S(NEW)
Togo POWER PORTABLE POWER STATION ADVANCE300B USER MANUAL	[Togo POWER ADVANCE300B Portable Power Station User Manual](#) User manual for the Togo POWER ADVANCE300B portable power station, detailing features, operation, safety guidelines, specifications, maintenance, and troubleshooting for reliable portable energy.
Jackery Jackery Solar Generator Connection Guide	[Jackery Solar Generator Connection Guide: SolarSaga Panels to Explorer Power Stations](#) A comprehensive guide detailing how to connect Jackery SolarSaga solar panels (models JS-40A, SPL061, JS-80A, JS-100A, JS-100C, JS-100D, JS-100E, JS-100F, JS-200A, JS-200C, JS-200D, JS-85A, JS-500A) to various Jackery Explorer power station models using USB-C, DC7909, and DC8020 input ports.
Front Back	[Portable Triple Screen Laptop Workstation Setup Guide](#) A comprehensive guide to setting up and connecting the Portable Triple Screen Laptop Workstation, including packing list, key definitions, installation steps, and tips for use.

ZOUPW EZ450W 450W N-Type Foldable Solar Panel User Manual

User manual for the ZOUPW EZ450W 450W N-Type Foldable Solar Panel. Includes specifications, usage guide, maintenance, FAQs, packing list, and warranty information.

ADATA External Storage Quick Start Guide & Warranty Information

Get started with your ADATA external hard drive or SSD. This guide covers connection, operating environment, software, and warranty details for ADATA external storage devices.