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Coolife BST52

COOLIFE DC 6V 2A Wildlife Camera Solar Panel Charger User Manual

Model: BST52

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your COOLIFE DC 6V 2A Wildlife Camera Solar Panel Charger. This device is designed to provide continuous power to compatible wildlife cameras, reducing the need for frequent battery changes and ensuring uninterrupted operation in outdoor environments.

Safety Information

- Read all instructions carefully before using the device.
- Do not expose the device to extreme temperatures, direct flame, or corrosive substances.
- Keep the device out of reach of children.
- Do not attempt to disassemble, modify, or repair the device yourself. Contact qualified personnel for service.
- Ensure proper connection to compatible devices only (6V/2A wildlife cameras).
- Dispose of the product and its battery responsibly according to local regulations.

Package Contents

Please check the package for the following items:

- COOLIFE DC 6V 2A Solar Panel Charger (Model: BST52)
- Mounting Bracket (360-degree rotating)
- Mounting Screws
- 3-meter DC Power Cable

Product Features

- **Optimized for Wildlife Cameras:** Specifically designed to provide continuous power to wildlife cameras, minimizing the need for frequent battery replacement.
- **High Capacity Battery:** Features a built-in 5200mAh lithium battery, capable of being fully charged by solar energy within approximately one day, ensuring extended operation.
- **IP56 Waterproof Rating:** Offers protection against rain, moisture, dust, and corrosion, making it suitable for reliable outdoor use in various weather conditions.
- **Wide Compatibility:** Compatible with COOLIFE H881, H953, PH700-5S, H8201, PH700A wildlife cameras, and other 6V/2A wildlife cameras.
- **Flexible Installation:** Includes a 360-degree rotating bracket and a 3-meter cable for optimal positioning to capture maximum sunlight.

Setup

Follow these steps for proper installation of your solar panel charger:

1. **Fix the Bracket:** Using the provided mounting screws, securely attach the mounting bracket to a stable surface such as a tree, fence post, or wall. Ensure the location allows for maximum direct sunlight exposure.
2. **Attach Solar Panel:** Securely fix the solar panel unit to the mounting bracket.
3. **Adjust Angle:** Rotate the solar panel and bracket to achieve the best possible angle for direct sunlight exposure throughout the day. The bracket supports 360-degree rotation for optimal positioning.
4. **Connect to Camera:** Connect the 3-meter DC power cable from the solar panel charger to the power input port of your compatible wildlife camera.

Important Note:
When using the solar panel to power your wildlife camera, it is recommended to insert at least one set of 4 dry batteries into the camera as a backup power source. This ensures continuous operation during prolonged periods of low sunlight or at night.



Image: Easy Installation Steps for the Solar Panel Charger



Image: Solar Panel Charger connected to a wildlife camera, illustrating its 5200mAh battery capacity.

Operating Instructions

Once properly installed and connected, the COOLIFE Solar Panel Charger operates automatically:

- The solar panel converts solar energy into electrical power, which charges its internal 5200mAh lithium battery.
- The charged battery then provides continuous power to the connected wildlife camera.
- Ensure the solar panel is exposed to direct sunlight for optimal charging performance.
- The built-in battery ensures uninterrupted camera operation during periods of low light, cloudy weather, or at night.



Image: Illustration of Solar Charging and Type C Cable Charging options.

Maintenance

To ensure the longevity and optimal performance of your solar panel charger, follow these maintenance guidelines:

- **Clean the Panel:** Regularly clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or other debris that may obstruct sunlight absorption. Avoid using abrasive materials or harsh chemicals.
- **Inspect Connections:** Periodically check all cable connections to ensure they are secure and free from damage or corrosion.
- **Check Mounting:** Verify the stability of the mounting bracket, especially after strong winds or adverse weather conditions. Tighten any loose screws if necessary.
- **Environmental Protection:** While the device is IP56 waterproof, avoid submerging it in water. Ensure the charging port cover is properly sealed when not in use.



Image: The solar panel charger demonstrating its IP56 waterproof capability in rainy conditions.

Troubleshooting

If you encounter issues with your solar panel charger, refer to the following common problems and solutions:

- **Camera Not Receiving Power:**
  - Check all cable connections between the solar panel and the camera to ensure they are firmly seated.
  - Verify that the solar panel is positioned to receive adequate direct sunlight.
  - Confirm that the camera's internal backup batteries (if applicable) are correctly installed and charged.
  - Ensure your wildlife camera is compatible with a 6V/2A power input.
- **Solar Panel Not Charging:**
  - Clean the surface of the solar panel to remove any dirt or obstructions.
  - Reposition the panel to ensure it receives maximum direct sunlight throughout the day.
  - Check for any physical damage to the solar panel or cable.
- **Water Ingress:**

- Although the device is IP56 rated, ensure all port covers and connections are tightly sealed.
- If water ingress is suspected, discontinue use immediately and contact customer support.

Specifications

Model Number	BST52
Brand	Coolife
Material	Aluminum
Item Weight	0.6 Kilograms
Output Voltage	DC 6V
Output Current	2 Amps
Battery Capacity	5200mAh (Built-in Lithium Battery)
Special Features	Waterproof (IP56)
Package Dimensions	23.2 x 18.2 x 5.7 cm
Included Components	DC Power Cable

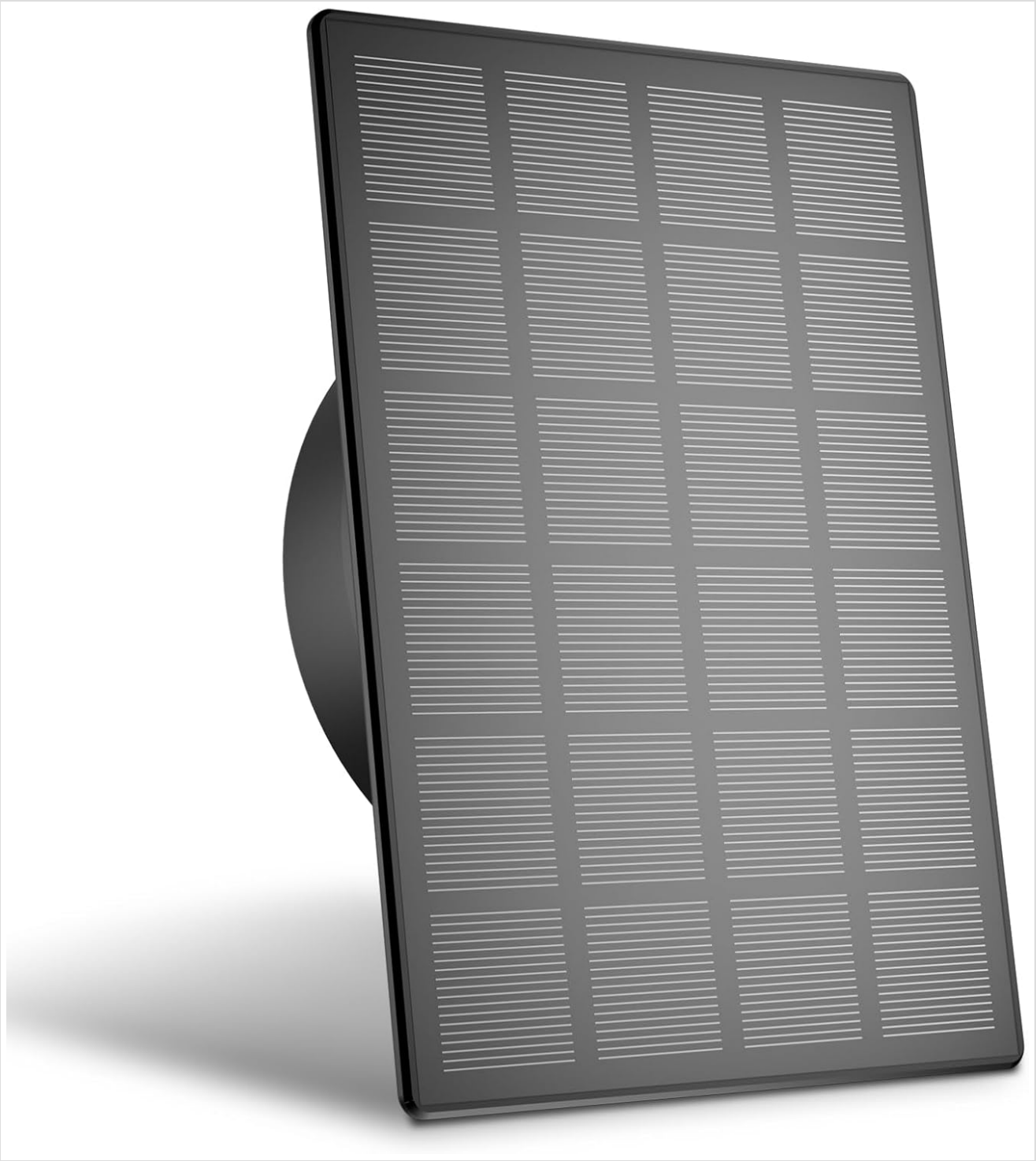


Image: Front view of the COOLIFE Solar Panel Charger.



Image: Wide compatibility of the solar panel charger with various COOLIFE trail cameras.

Warranty and Support

For warranty information, technical assistance, or customer support, please refer to the product packaging or contact COOLIFE customer service directly. It is recommended to retain your purchase receipt for any warranty claims.

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