

SunShift 100W Solar Charger

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1. Overview

The SunShift 100W Solar Charger is a powerful and easy-to-use device that allows you to charge your electronic devices using solar power. With its fast charging capability, durable construction, and compact design, the SunShift 100W Solar Charger is the perfect companion for off-grid charging needs.

The SunShift 100W Solar Charger features a high-efficiency solar panel that quickly converts sunlight into electrical power, ensuring that your devices are charged in no time. Its durable construction makes it suitable for outdoor use, and its compact design allows for easy portability.

The SunShift 100W Solar Charger is equipped with USB and DC output ports, allowing you to charge a variety of devices, including smartphones, tablets, cameras, and more. Whether you're camping, hiking, or simply enjoying the great outdoors, the SunShift 100W Solar Charger is the ideal solution for keeping your devices powered up.

2. Assembly and Connection

2.1 Unboxing

When you unboxing the SunShift 100W Solar Charger, please make sure that all the parts listed in the user manual are present and in good condition. If anything is missing or damaged, please contact Ecovolt customer service for assistance.

2.2 Connecting the Solar Panels

To assemble the SunShift 100W Solar Charger, unfold the solar panels and connect them together using the provided cables. Ensure that the connectors are securely attached and that there are no exposed wires. Place the connected solar panels in direct sunlight for optimal charging efficiency.

2.3 Connecting Devices

Once the solar panels are in position, use the included cables to connect your devices to the SunShift 100W Solar Charger. The charger is compatible with a variety of devices, including smartphones, tablets, and power banks. Ensure that the connections are secure and that the charging indicator lights up to confirm the charging process.

2.4 Positioning the Charger

When using the SunShift 100W Solar Charger, position it in a location with maximum exposure to sunlight. This will ensure the most efficient charging of your devices. Use the adjustable kickstand and hanging loops to position the charger at the optimal angle for capturing solar energy.

3. Operation

3.1 Charging Device

To charge your device with the SunShift 100W Solar Charger, follow these steps:

1. Place the solar charger in direct sunlight, ensuring that the solar panels are facing the sun.
2. Connect your device to the SunShift 100W Solar Charger using the provided USB cable.
3. Once connected, the charging indicator light will illuminate, indicating that the solar charger is charging your device.

Note: The charging speed may vary depending on the intensity of sunlight.

For optimal charging, ensure that the solar panels are clean and free from any obstructions.

For more information on charging specific devices, refer to the device's user manual.

4. Maintenance and Care

Cleaning

To clean the SunShift 100W Solar Charger, use a soft, dry cloth to gently wipe down the solar panels and the exterior of the charger. Avoid using any harsh chemicals or abrasive materials as they may damage the solar panels.

Storage

When not in use, store the SunShift 100W Solar Charger in a cool, dry place away from direct sunlight. Make sure to keep the charger in a protective case or sleeve to prevent any damage to the solar panels.

Maintenance

The SunShift 100W Solar Charger does not require any regular maintenance. However, it is important to inspect the charger for any signs of damage before each use. If you notice any cracks, scratches, or other damage, do not use the charger and contact customer support for assistance.

5. Troubleshooting

5.1 SunShift 100W Solar Charger not Charging

If your SunShift 100W Solar Charger is not charging, please follow these steps:

1. Check that the solar panels are in direct sunlight and properly positioned.
2. Ensure that the device you are trying to charge is compatible with the SunShift 100W Solar Charger.
3. Inspect the charging cable for any damage or loose connections.
4. Clean the solar panels with a soft, dry cloth to remove any dirt or debris.

If the issue persists, please contact Ecovolt Customer Service for further assistance.

5.2 SunShift 100W Solar Charger Overheating

If the SunShift 100W Solar Charger is overheating, take the following steps:

1. Disconnect the charging cable and allow the solar charger to cool down.
2. Move the solar charger to a shaded area to prevent further overheating.
3. Do not attempt to use the solar charger until it has cooled down to a safe temperature.

If the overheating issue continues, discontinue use of the solar charger and contact Ecovolt Customer Service immediately.

6. Safety Precautions

General Safety Precautions

- Never expose SunShift 100W Solar Charger to extreme temperatures or moisture.
- Keep the solar panels and charging ports clean and free from debris.
- Do not attempt to disassemble or modify the SunShift 100W Solar Charger.

Electrical Safety

- Do not expose the SunShift 100W Solar Charger to water or other liquids.
- Only use the provided cables and connectors to charge your devices.
- Do not touch the solar panels while they are exposed to sunlight.

Overheating Precautions

- Do not leave the SunShift 100W Solar Charger in direct sunlight for extended periods.
- Disconnect and stop using the charger if it becomes hot to the touch.
- Store the SunShift 100W Solar Charger in a cool, dry place when not in use.

Battery Safety

- Do not attempt to replace the battery in the SunShift 100W Solar Charger.
- Do not puncture, crush, or dispose of the battery in fire.
- If the battery appears damaged, discontinue use and contact customer support.

Emergency Precautions

- In case of emergency, such as smoke or unusual odors, disconnect the charger from any devices and move it to a safe location.
- If the SunShift 100W Solar Charger becomes damaged or malfunctions, discontinue use and contact customer support immediately.

7. Specifications

Electrical Specifications

- Maximum Power: 100W
- Voltage at Pmax: 18V
- Current at Pmax: 5.55A
- Open Circuit Voltage: 21.6V
- Short Circuit Current: 6.11A

Physical Specifications

- Dimensions: 26.2 x 20.1 x 1.4 inches
- Weight: 6.2 lbs
- Solar Panel Type: Monocrystalline

Performance Specifications

- Fast Charging Technology: Yes
- Weather Resistant: Yes
- Operating Temperature: -40°F to 185°F
- USB Output: 5V/2.4A (Max 3.5A total)

Package Contents

- SunShift 100W Solar Charger
- 1 x 10ft Anderson Cable
- 1 x 10ft USB Cable
- User Manual

8. Warranty Information

8.1 Limited Warranty

Thank you for purchasing the Ecovolt SunShift 100W Solar Charger. This product is covered by our limited warranty, which guarantees that the product will be free from defects in materials and workmanship for a period of 12 months from the date of purchase. If you experience any issues with your SunShift 100W Solar Charger, please contact our customer service team for assistance.

8.2 Warranty Claims

To make a warranty claim, please provide proof of purchase and a detailed description of the issue. Our customer service team will assess the claim and provide further instructions on how to proceed. Please note that the warranty does not cover damage caused by misuse, abuse, or unauthorized modifications to the product.

8.3 Exclusions

The warranty does not cover normal wear and tear, including scratches, dents, and cosmetic damage. It also does not cover damage caused by exposure to extreme conditions, such as water damage, heat damage, or impact damage. Additionally, the warranty does not cover accessories or peripherals included with the SunShift 100W Solar Charger.

8.4 Limitation of Liability

Ecovolt's liability under this warranty is limited to the repair or replacement of the defective product. We will not be liable for any incidental or consequential damages, including but not limited to loss of data, loss of income, or loss of use, arising from the use of the SunShift 100W Solar Charger.

8.5 Obtaining Warranty Service

If your SunShift 100W Solar Charger requires warranty service, please contact our customer service team to obtain a Return Merchandise Authorization (RMA) number. This number must be included with the returned product to ensure proper processing of the warranty claim.

8.6 Contact Information

For warranty claims or any other inquiries, please contact Ecovolt customer service at support@ecovolt.com or 1-800-ECOVOLT.