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› Soshine USB C Solar Panel 5V 10W Instruction Manual

Soshine 5v10w

Soshine USB C Solar Panel 5V 10W Instruction Manual

Model: 5v10w

INTRODUCTION

This manual provides essential information for the safe and efficient use of your Soshine USB C Solar Panel 5V 10W. This compact, high-performance monocrystalline solar panel is designed to charge various 5V devices such as cameras, water pumps, small fans, and camping lanterns. Please read this manual thoroughly before use and retain it for future reference.

SAFETY INFORMATION

- Do not bend or apply excessive pressure to the solar panel, as this may damage the solar cells.
- Avoid exposing the panel to fire or extreme heat.
- Keep the panel dry. Do not immerse it in water or other liquids.
- Do not attempt to disassemble or modify the solar panel.
- Keep out of reach of children.
- Ensure proper ventilation when charging devices to prevent overheating.
- Avoid contact with sharp objects that could scratch or puncture the panel surface.

PACKAGE CONTENTS

- 1 x Soshine USB C Solar Panel 5V 10W
- 1 x Hook (for mounting)

PRODUCT OVERVIEW

The Soshine 5V 10W solar panel features high-efficiency monocrystalline cells, offering up to a 20% conversion rate. Its compact and lightweight design makes it suitable for various outdoor applications.

Key Features:

- High Conversion Efficiency: Up to 20% conversion rate for more power output.

- **Durable and Weatherproof:** Constructed with high-quality materials for long service life and anti-corrosion performance.
- **Ultra-light, Compact Design:** Measures 11.89"L x 8.39"W and weighs 11.2 ounces (363g), making it easy to carry.
- **Wide Application:** Ideal for outdoor power supply, camping, hiking, travel, and emergency lighting.
- **Sufficient Energy Output:** High efficiency output with excellent weak light effect. Max charging current is 2000mA, normal is 1000mA.

Panel Components and Dimensions:

The solar panel includes multiple output ports for versatile connectivity.

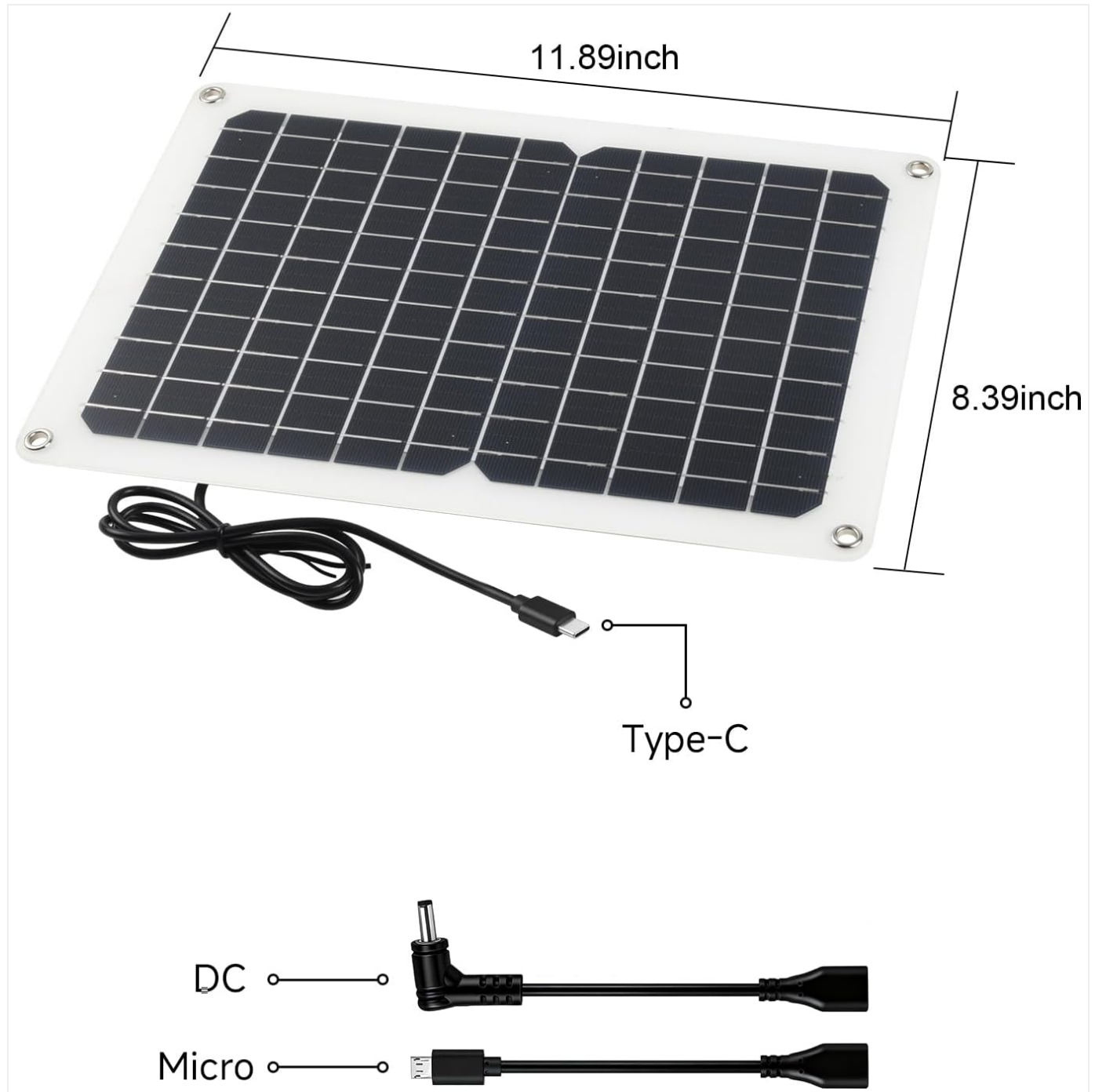


Image: The Soshine USB C Solar Panel showing its dimensions (11.89 inches by 8.39 inches) and the included Type-C, Micro-USB, and DC barrel port adapters.



Image: Back view of the Soshine USB C Solar Panel, highlighting the junction box and the integrated USB-C output cable.

1. **Unpack the Solar Panel:** Carefully remove the solar panel and any accessories from its packaging.
2. **Choose a Location:** Select a location that receives direct sunlight for the majority of the day. Avoid shaded areas from trees, buildings, or other obstructions.
3. **Position the Panel:**
 - For optimal performance, position the panel to face the sun directly.
 - The included hooks can be used to hang the panel on a backpack, tent, or other suitable structure.
4. **Connect Your Device:**
 - Identify the correct charging cable for your device (USB-C, Micro-USB, or 3.5mm Barrel Port).
 - Connect the appropriate adapter to the solar panel's output cable.
 - Plug the charging cable into your device.



Image: The Soshine USB C Solar Panel laid flat on a blanket, charging a smartphone, demonstrating its use in an outdoor setting like a beach.



Image: A person hiking with the Soshine USB C Solar Panel attached to their backpack, illustrating its portability and use during outdoor activities.



Image: The Soshine USB C Solar Panel mounted on a wooden board, connected to and powering an outdoor security camera, showcasing a practical application.

OPERATING INSTRUCTIONS

1. **Sunlight Exposure:** Ensure the solar panel is exposed to direct sunlight. Partial shading can significantly reduce charging efficiency.
2. **Charging Indicator:** Most devices will display a charging indicator when connected and receiving power.
3. **Optimal Conditions:** The panel performs best on clear, sunny days. Charging efficiency will be reduced on cloudy days or in low light conditions.
4. **Charging Multiple Devices:** The panel is designed for single-device charging at a time to ensure optimal power delivery.
5. **Power Banks:** For consistent power, especially during intermittent sunlight, consider charging a power bank first, then use the power bank to charge your devices. This helps regulate power delivery.

MAINTENANCE

- **Cleaning:** Regularly wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean surface ensures maximum sunlight absorption.
- **Inspection:** Periodically inspect the panel and cables for any signs of damage, wear, or corrosion.
- **Storage:** When not in use, store the solar panel in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or harsh chemicals on the panel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not charging or charging slowly.	<ul style="list-style-type: none">◦ Insufficient sunlight (cloudy, shaded).◦ Panel surface is dirty.◦ Incorrect cable connection.◦ Device requires more power than the panel provides.◦ Device's battery is full.	<ul style="list-style-type: none">◦ Relocate the panel to direct sunlight.◦ Clean the panel surface.◦ Ensure cables are securely connected.◦ Check device power requirements.◦ Verify device battery status.
Panel feels warm during operation.	Normal operation under direct sunlight.	This is normal. Ensure adequate airflow around the panel.
Intermittent charging.	<ul style="list-style-type: none">◦ Passing clouds or intermittent shading.◦ Unstable connection.	<ul style="list-style-type: none">◦ Move to a location with consistent direct sunlight.◦ Ensure all connections are firm. Consider using a power bank.

SPECIFICATIONS

Feature	Detail
Brand	Soshine
Model Number	5v10w
Material	Monocrystalline Silicon
Product Dimensions (L x W x H)	11.89" x 8.39" x 0.2"
Item Weight	11.2 ounces (363g)
Efficiency	Up to 20% Conversion Rate
Maximum Voltage	5 Volts
Maximum Power	10 Watts
Connector Type	USB (with Micro-USB, USB-C, and 3.5mm Barrel Port adapters)
Max Charging Current	2000mA (Normal: 1000mA)

WARRANTY AND SUPPORT

Warranty Information:

Specific warranty details are not provided in this manual. Please refer to the product packaging or contact the manufacturer directly for warranty terms and conditions.

Customer Support:

For technical assistance, troubleshooting, or product inquiries, please contact Soshine customer support through their official website or the retailer where the product was purchased. Keep your purchase receipt and model number (5v10w) handy when contacting support.

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