

# Rugged Solar Power Bank

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# 1. Introduction

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## 1.1: About this Manual

Welcome to the user manual for the Rugged Solar Power Bank from Outdoor Pro. This manual is designed to provide you with important information about how to use and maintain your power bank. Please read through this manual carefully before using the product to ensure that you understand all of the features and functions. If you have any questions or need further assistance, please do not hesitate to contact our customer support team.

## 1.2: Product Overview

The Rugged Solar Power Bank is a versatile and durable charging solution for your outdoor adventures. With its shockproof design and solar charging capability, this power bank ensures that you never run out of power, no matter where your expeditions take you. The power bank is equipped with a high-capacity 10000mAh battery, which allows you to charge your devices multiple times before needing to recharge the power bank itself. The built-in solar panel provides an additional charging option, allowing you to harness the power of the sun to keep your devices powered up. The power bank also features dual USB ports, allowing you to charge two devices simultaneously. With its compact and portable design, the Rugged Solar Power Bank is the perfect companion for camping, hiking, and other outdoor activities.

## 2. Safety Information

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### Important Safety Instructions

The Rugged Solar Power Bank from Outdoor Pro should be used with care to ensure the safety of the user and the product. Please adhere to the following safety instructions:

1. To prevent the risk of electric shock, keep the power bank away from water and other liquids.
2. Do not attempt to disassemble or modify the power bank in any way.
3. Keep the power bank away from extreme heat and direct sunlight to avoid potential damage.

### Charging Safety

When charging the Rugged Solar Power Bank, please keep the following safety precautions in mind:

1. Use only the provided charging cable to ensure safe and efficient charging.
2. Do not overcharge the power bank, as this may cause damage to the battery.
3. If the power bank becomes hot during charging, disconnect it from the power source immediately.

### Solar Charging Safety

When using the solar charging feature of the power bank, please follow these safety guidelines:

1. Position the power bank in direct sunlight for optimal charging, avoiding any shade or obstructions.
2. Do not leave the power bank unattended while it is charging in direct sunlight to prevent overheating.

### Storage and Maintenance

To maintain the safety and performance of the Rugged Solar Power Bank, please consider the following storage and maintenance recommendations:

1. Store the power bank in a cool, dry place when not in use to prevent damage from extreme temperatures and moisture.

2. Clean the solar panels and the exterior of the power bank regularly to ensure efficient solar charging and overall functionality.

## 3. Getting Started

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### 3.1 Charging the Rugged Solar Power Bank

To charge the Rugged Solar Power Bank, please follow these steps:

1. Place the power bank under direct sunlight, with the solar panels facing upwards.
2. The power bank will automatically start charging when exposed to sunlight. The LED indicator will blink to show that it is charging.
3. It may take several hours to fully charge the power bank using solar power, depending on the intensity of sunlight.

### 3.2 Initial Setup

To use the Rugged Solar Power Bank for the first time, please follow these steps:

1. Connect a USB cable to the input port of the power bank.
2. Connect the other end of the USB cable to a power source, such as a computer or wall adapter.
3. The LED indicator will illuminate to show that the power bank is being charged. It may take several hours to fully charge the power bank using this method.

### 3.3 Powering On/Off the Rugged Solar Power Bank

To power on the Rugged Solar Power Bank, press and hold the power button for 3 seconds. The LED indicators will light up to show the remaining battery capacity.

To power off the Rugged Solar Power Bank, press and hold the power button for 3 seconds until the LED indicators turn off.

### 3.4 Checking Battery Capacity

To check the remaining battery capacity of the Rugged Solar Power Bank, press the power button once. The LED indicators will illuminate to show the current battery level.

### 3.5 Using the Rugged Solar Power Bank

Once the power bank is fully charged, you can use it to charge your devices. Simply connect your device to the output port of the power bank using a USB cable.

### 3.5.1 Charging Devices

To charge your device using the Rugged Solar Power Bank, please follow these steps:

1. Connect a USB cable to the output port of the power bank.
2. Connect the other end of the USB cable to your device.
3. The power bank will automatically start charging your device.

That's it! You are now ready to take your Rugged Solar Power Bank on your outdoor adventures.

## 4. Charging the Power Bank

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To charge the Rugged Solar Power Bank, follow the steps below.

### 4.1 Charging via Solar Panel

1. Place the power bank under direct sunlight.
2. Ensure the solar panel is facing the sun.
3. Connect the micro USB cable to the charging port.
4. The LED indicator will flash to indicate charging.

### 4.2 Charging via Micro USB Cable

1. Connect the micro USB cable to a power source.
2. Connect the other end of the cable to the power bank's charging port.
3. The LED indicator will turn on to indicate charging.

### 4.3 Checking Battery Status

To check the remaining battery level, press the power button. The LED indicators will illuminate to show the current battery level.

### 4.4 Charging Precautions

- Do not expose the power bank to excessive heat or open flames.
- Do not attempt to disassemble the power bank.
- Use only the provided micro USB cable for charging.

### 4.5 Charging Time

Charging time via solar panel may vary based on sunlight intensity. When using a micro USB cable, the power bank will fully charge in approximately 6 hours.

### 4.6 Using the Power Bank While Charging

The Rugged Solar Power Bank can be used while it is charging.

### 4.7 Overcharge Protection



The power bank is equipped with overcharge protection to prevent damage to the battery and ensure safe charging.

#### **4.8 Max Solar Panel Input**

The maximum input for the solar panel is 5V, ensuring efficient and safe charging when using solar power.

#### **4.9 Environmental Considerations**

When charging the power bank via solar panel, ensure to do so in an open, outdoor area with direct sunlight for optimal charging efficiency.

## 5. Using the Power Bank

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### 5.1 Charging the Power Bank

To charge the Rugged Solar Power Bank, place it under direct sunlight for optimal results. The solar panels, located on the top of the power bank, will absorb sunlight and convert it into energy. Ensure that the panels are facing the sun directly to maximize charging efficiency. Alternatively, you can also charge the power bank using the Micro-USB input. Simply connect the Micro-USB cable to the input port located on the side of the power bank and plug the other end into a power source.

### 5.2 Charging Devices

To charge your devices using the Rugged Solar Power Bank, locate the USB output ports on the side of the power bank. Connect your device's charging cable to one of the USB output ports, then plug the other end into your device. Press the power button, indicated by the green button on the front of the power bank, to initiate charging. When not in use, remember to turn off the power bank by pressing the power button again to conserve energy.

### 5.3 Checking Battery Level

To check the battery level of the Rugged Solar Power Bank, press the battery status button located next to the power button. The LED indicators will light up to show the remaining battery level. If all four LED indicators light up, the power bank is fully charged. If only one LED indicator lights up, the power bank requires charging. Refer to the user manual for detailed information on interpreting the battery level indicators.

### 5.4 Using the Built-in Flashlight

The Rugged Solar Power Bank features a built-in flashlight located on the back of the device. To activate the flashlight, press and hold the flashlight button for a few seconds. The flashlight will turn on, providing you with a convenient light source for outdoor activities. Press the flashlight button again to turn off the flashlight.

### 5.5 Using the Emergency SOS Function

In case of an emergency, the Rugged Solar Power Bank is equipped with an SOS function. To activate the SOS signal, press the SOS button located next to the flashlight button. The

power bank will emit a distress signal to alert others of your location. Press the SOS button again to turn off the SOS signal.

## 6. Troubleshooting

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### 6.1 Power Bank Not Charging

If your Rugged Solar Power Bank is not charging, please follow these troubleshooting steps:

1. **Check Solar Panel Placement:** Ensure that the solar panels are facing direct sunlight and there are no obstructions blocking the panels.
2. **Verify Connection:** Make sure that the charging cable is securely connected to the power bank and the charging source.
3. **Inspect Cables:** Check the charging cable for any damage or fraying. Replace the cable if it is damaged.
4. **Battery Level:** If the power bank has a low battery level, it may not be able to charge. Use a different power source to charge the power bank before using solar charging.

### 6.2 Overheating

If the Rugged Solar Power Bank is overheating, please follow these troubleshooting steps:

1. **Stop Charging:** Disconnect the power bank from the charging source and allow it to cool down.
2. **Avoid Direct Sunlight:** Do not expose the power bank to direct sunlight while charging, as this can cause overheating.
3. **Limit Usage:** If the power bank becomes excessively hot during use, limit the usage and allow it to cool down before resuming.
4. **Contact Support:** If the power bank continues to overheat, please contact Outdoor Pro customer support for further assistance.

### 6.3 Charging Errors

If you encounter errors while charging the Rugged Solar Power Bank, please follow these troubleshooting steps:

1. **Reset the Power Bank:** Use a small, pointed object to press the reset button located on the side of the power bank.

2. **Change Charging Source:** If you are using a solar charger, try charging the power bank using a traditional power source to see if the issue persists.
3. **Check Indicator Lights:** Pay attention to the indicator lights on the power bank. Different light combinations may indicate specific errors, which can be referenced in the user manual.
4. **Contact Customer Support:** If the charging errors persist, please reach out to Outdoor Pro customer support for further assistance.