

**Sandberg 420-56**

# Sandberg Solar 4-Panel Powerbank 25000 User Manual

Model: 420-56

## 1. INTRODUCTION

Thank you for choosing the Sandberg Solar 4-Panel Powerbank 25000. This high-capacity portable power bank is designed to provide reliable power for your mobile devices, featuring integrated solar panels for supplementary charging. This manual provides essential information on how to set up, operate, maintain, and troubleshoot your power bank to ensure optimal performance and longevity.



Image: The Sandberg Solar 4-Panel Powerbank 25000 with its four solar panels extended, showcasing its design and functionality.

## Key Features:

- 25000 mAh Lithium Polymer battery capacity.
- Integrated 4-panel solar charger for supplementary power.
- Multiple output ports: USB Type-A and USB Type-C.
- Durable and portable design.

## 2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the power bank to extreme temperatures (above 45°C/113°F or below 0°C/32°F).
- Avoid dropping, puncturing, or disassembling the device.
- Keep away from water, moisture, and flammable materials.
- Do not use if the device is damaged or swollen.
- Keep out of reach of children.
- Dispose of the product responsibly according to local regulations.
- The solar panels are for supplementary charging only and should not be relied upon as the primary charging method.

## 3. SETUP AND FIRST USE

### 3.1 Initial Charging

Before first use, fully charge the power bank using a wall adapter and the included USB cable. This ensures the internal battery is conditioned for optimal performance.

1. Connect the USB-C or Micro USB input port on the power bank to a compatible USB wall charger (not included).
2. The LED indicators on the power bank will illuminate to show charging progress.
3. Charging is complete when all LED indicators are solid.



Image: A detailed view of the Sandberg Powerbank unit, highlighting its sleek design and port locations.

### 3.2 Unfolding Solar Panels

The power bank features four foldable solar panels. Gently unfold them to expose the solar cells when you wish to utilize solar charging.

- Locate the foldable solar panels attached to the main power bank unit.

- Carefully unfold each panel until they are fully extended and flat.
- Ensure the solar panels are facing direct sunlight for best results.

## 4. OPERATING INSTRUCTIONS

### 4.1 Charging External Devices

The power bank can charge various USB-powered devices such as smartphones, tablets, and other gadgets.

1. Connect your device's charging cable to one of the USB-A or USB-C output ports on the power bank.
2. Connect the other end of the cable to your device.
3. The power bank will automatically begin charging your device. If not, press the power button on the power bank to initiate charging.
4. The LED indicators will show the remaining battery level of the power bank.

### 4.2 Solar Charging Function

The integrated solar panels allow for supplementary charging of the power bank using sunlight. This feature is ideal for outdoor use where traditional power outlets are unavailable.

1. Unfold the solar panels and place them in direct sunlight.
2. Ensure no shadows are cast on the panels for optimal charging efficiency.
3. A dedicated solar charging indicator (if present) or the main LED indicators will show that solar charging is active.
4. **Note:** Solar charging is significantly slower than wall charging and is intended as a supplementary or emergency charging method. It may take a very long time to fully charge the power bank using solar power alone.



Image: The product packaging for the Sandberg Solar 4-Panel Powerbank 25000, illustrating its features and design.

## 5. CARE AND MAINTENANCE

Proper care will extend the life of your power bank.

- Cleaning:** Use a soft, dry cloth to clean the power bank and solar panels. Do not use harsh chemicals or abrasive cleaners.
- Storage:** Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures when not in use. For long-term storage, ensure the battery is charged to approximately 50-70% to preserve battery health.
- Avoid Over-Discharge:** Do not allow the power bank to completely drain its battery frequently, as this can reduce its lifespan.

## 6. TROUBLESHOOTING

If you encounter issues with your power bank, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Power bank not charging	Cable issue, faulty adapter, power bank fully charged, or internal fault.	Try a different USB cable and wall adapter. Ensure the power bank is not already full. If the issue persists, contact support.
Device not charging from power bank	Power bank low on battery, cable issue, device not compatible, or power bank not activated.	Recharge the power bank. Try a different charging cable. Ensure your device is compatible. Press the power button on the power bank to activate output.
Solar charging is very slow or ineffective	Insufficient sunlight, panels not fully exposed, or solar charging is inherently slow.	Ensure panels are in direct, unobstructed sunlight. Solar charging is a supplementary feature and will always be slower than wall charging. It is not designed for rapid full charges.
Power bank gets warm during use/charging	Normal operation, or excessive load.	It is normal for power banks to generate some heat during charging or discharging. If it becomes excessively hot, disconnect immediately and contact support.

## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	420-56
Battery Type	Lithium Polymer (LiPo)
Battery Capacity	25000 mAh
Product Dimensions	7.36 x 3.86 x 1.77 inches
Item Weight	2.13 pounds
Connectivity Technology	USB
Connector Type	USB Type A, USB Type C
Compatible Devices	Smartphones
Total USB Ports	2
Wattage	18 watts
Amperage	3 Amps
Included Components	1 x Solar Panel (integrated)

## 8. WARRANTY AND SUPPORT

Sandberg products are known for their high quality. The product packaging indicates a 5-year warranty, ensuring peace of mind regarding your purchase.

- **Warranty:** This product is covered by a 5-year manufacturer's warranty from the date of purchase. Please retain your proof of purchase for warranty claims.
- **Support:** For technical support, warranty claims, or further inquiries, please visit the official Sandberg website or contact their customer service department. Refer to the product packaging or Sandberg's official website for specific contact details.