

ROMOSS PPH80-611

ROMOSS Fast Charge Type C Power Bank 20000mAh PD (Sense6F) User Manual

Model: PPH80-611

1. INTRODUCTION

Thank you for choosing the ROMOSS Fast Charge Type C Power Bank 20000mAh PD (Sense6F). This power bank is designed to provide reliable and efficient portable charging for your electronic devices. With its high capacity and fast charging capabilities, it ensures your devices stay powered on the go.

Please read this manual carefully before using the product to ensure safe and optimal performance. Keep this manual for future reference.

2. SAFETY INFORMATION

To prevent injury or damage to your device, please observe the following safety precautions:

- Do not expose the power bank to extreme temperatures (hot or cold), direct sunlight, or fire.
- Do not disassemble, modify, or repair the device yourself.
- Keep the power bank away from water, moisture, and corrosive materials.
- Avoid dropping or subjecting the power bank to strong impacts.
- Use only certified charging cables and adapters.
- Keep out of reach of children.
- If the power bank swells, leaks, or emits an unusual odor, discontinue use immediately and contact customer support.
- Ensure proper ventilation when charging.

The power bank features multiple safety protections including overcharging, overheating, and short-circuiting protection to ensure safe use.

Multiple Safety Protection

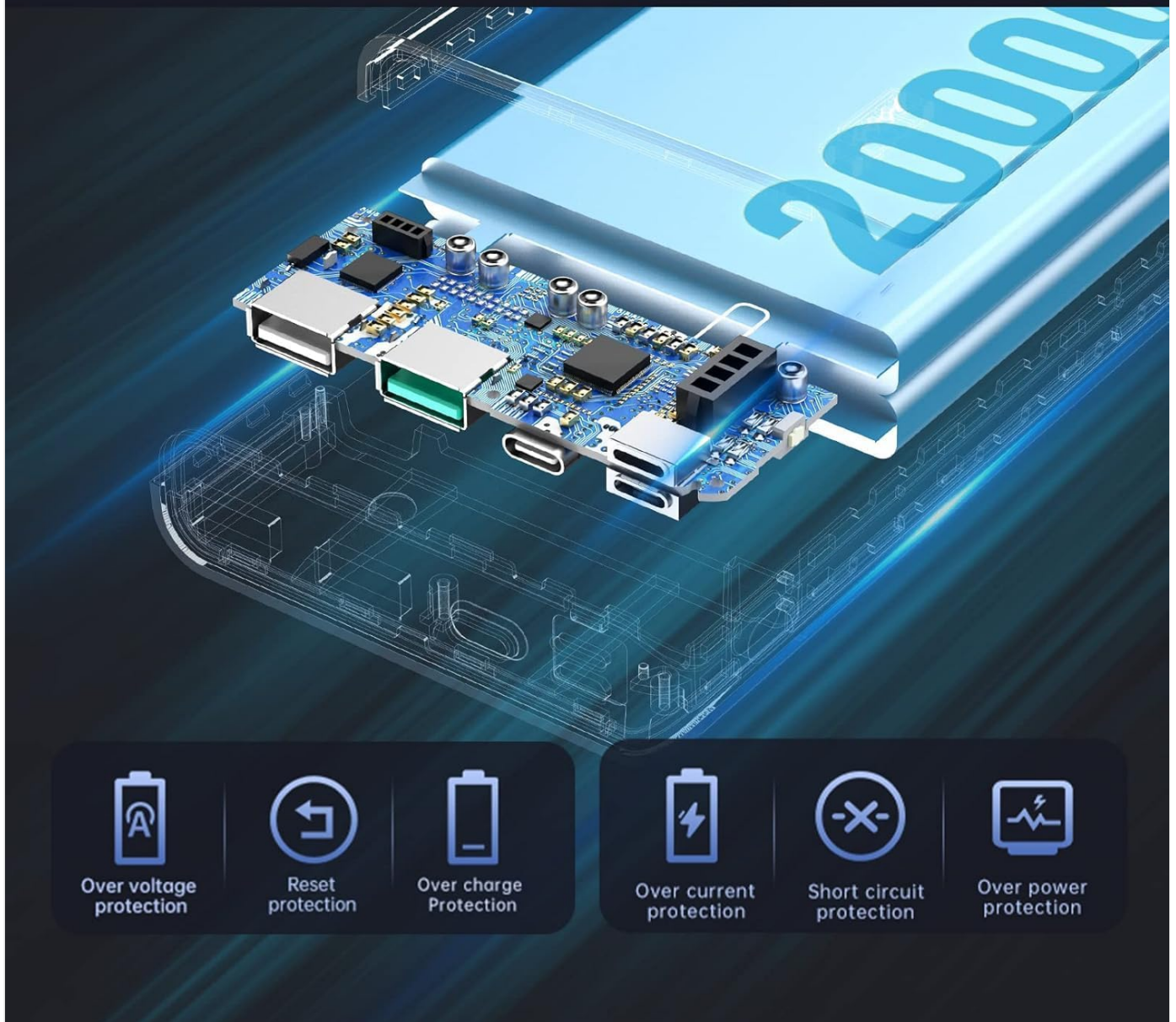


Figure 2.1: Multiple Safety Protection features of the ROMOSS Power Bank.

This image illustrates the various built-in safety mechanisms of the power bank, such as protection against over voltage, over current, overcharge, short circuit, and over power, along with a reset function.

3. PRODUCT OVERVIEW

The ROMOSS Sense6F power bank is a high-capacity portable charger designed for efficiency and versatility.

3.1 Package Contents

- ROMOSS Fast Charge Type C Power Bank 20000mAh PD (Sense6F)
- User Manual (this document)
- *Note: Charging cables are not included.*



Figure 3.1: ROMOSS Sense6F Power Bank.

This image displays the main unit of the ROMOSS Sense6F power bank, highlighting its compact form factor and the branding details.

3.2 Key Features

- **20,000mAh High Capacity:** Provides multiple charges for smartphones, tablets, and other USB-powered devices.
- **22.5W Fast Charging:** Supports rapid charging for compatible devices, significantly reducing charging time.
- **3 Input Ports:** Includes Lightning, Micro USB, and Type-C inputs for flexible recharging options.
- **3 Output Ports:** Features Type-C and two USB-A outputs, allowing simultaneous charging of up to three devices.
- **Multiple Safety Protections:** Built-in safeguards against overcharging, overheating, and short-circuiting.
- **Travel-Friendly Design:** Compact and suitable for extended journeys.

20000mAh High Capacity

iPhone 13

4.1 charges

Galaxy s21

4.0 charges

Huawei Mate 40

3.1 charges

iPad mini5

2.7 charges



Figure 3.2: 20000mAh High Capacity Overview.

This image highlights the substantial 20,000mAh capacity of the power bank, demonstrating its ability to provide multiple charges for various popular devices like iPhones, Samsung Galaxy phones, Huawei phones, and iPads.

CHARGING FASTER

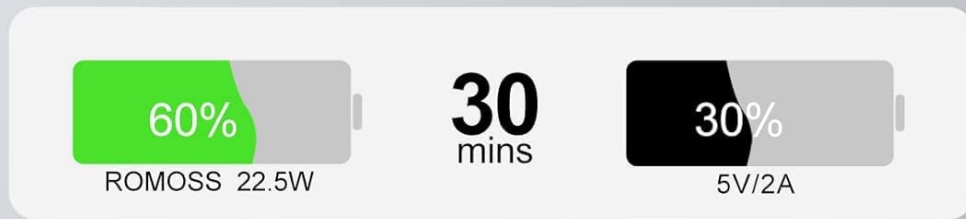


Figure 3.3: 22.5W Fast Charging Comparison.

This image visually compares the charging efficiency of the ROMOSS 22.5W fast charging against a standard 5V/2A charger, illustrating how much faster devices can be charged with the ROMOSS power bank.

Fast charge your iPhone 13 from 0% up to 55% in 30mins

PD
20W



iphone 13 and 12 Series

PD
18W



iPhone 11
iPhone X



Figure 3.4: Fast Charging an iPhone.

This image demonstrates the fast charging capability of the power bank, specifically showing an iPhone 13 reaching 50% charge in 30 minutes, and indicating compatibility with various iPhone models for PD 20W and 18W charging.

3 Inputs & 3 Outputs



1 Lightning	2 Micro USB	3 Type-C	4 5 USB
18w	18w	20w / 18w	22.5w
PD input	AFC/FCP/ QC2.0 input	PD input ↔ output	QC3.0/AFC/ FCP/SCP output

Figure 3.5: Input and Output Ports.

This image provides a detailed view of the power bank's multiple input and output ports, specifying their types (Lightning, Micro USB, Type-C, USB-A) and their respective power ratings for both charging the power bank and charging external devices.

4. SETUP AND INITIAL USE

4.1 Charging the Power Bank

Before first use, it is recommended to fully charge the power bank. You can charge the power bank using any of its three input ports:

1. Connect a Lightning cable to the Lightning input port.
2. Connect a Micro USB cable to the Micro USB input port.
3. Connect a USB-C cable to the Type-C input/output port.

Connect the other end of the cable to a USB wall charger (not included). The LED indicators on the power bank will illuminate to show the charging status. A full charge typically takes 6-10 hours depending on the charger's wattage.



Figure 4.1: Recharging the Power Bank.

This image shows the power bank connected to a wall charger for recharging, emphasizing its rapid recharge feature.

4.2 Checking Battery Level

Press the power button once to check the remaining battery level. The LED indicators will light up, with each light representing approximately 25% of the battery capacity.

- 1 LED: 0-25%
- 2 LEDs: 25-50%
- 3 LEDs: 50-75%
- 4 LEDs: 75-100%

5. OPERATING INSTRUCTIONS

5.1 Charging Your Devices

To charge your electronic devices:

1. Connect your device's charging cable to one of the power bank's output ports (USB-A or Type-C).
2. Connect the other end of the cable to your device.
3. The power bank will automatically begin charging your device. The LED indicators will show the power bank's remaining charge.
4. You can charge up to three devices simultaneously.

Charge 3 devices at the same time



Figure 5.1: Charging Multiple Devices.

This image illustrates the power bank's ability to charge three devices concurrently, showcasing its versatility for users with multiple gadgets.

5.2 Trickle Charge Mode (Low Current Devices)

For low-current devices such as Bluetooth headphones, smartwatches, or fitness trackers, activate the trickle charge mode to ensure safe and efficient charging:

1. Double-press the power button to enter trickle charge mode. The first LED indicator will blink slowly.
2. Connect your low-current device.
3. To exit trickle charge mode, double-press the power button again, or it will automatically exit after 2 hours.



Figure 5.2: Trickle Charge Mode for Small Devices.

This image shows the power bank alongside small electronic devices like AirPods and a smartwatch, highlighting its specialized trickle charge mode for safely charging low-current gadgets.

6. MAINTENANCE

- Clean the power bank with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for extended periods, charge the power bank at least once every three months to maintain battery health.
- Avoid exposing the ports to dust or debris.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Power bank not charging	Low battery; Faulty cable/adaptor; Loose connection	Ensure power bank has charge; Try a different cable/adaptor; Check connections.
Device not charging from power bank	Power bank low/empty; Faulty cable; Device not compatible; Trickle charge mode needed	Recharge power bank; Try a different cable; Ensure device is compatible; Activate trickle charge mode for low-current devices.
Slow charging	Using a standard charger/cable; Device not supporting fast charge	Use a fast charging adaptor and cable; Ensure your device supports fast charging.
LED indicators not working	Power bank is off; Malfunction	Press the power button to activate; If problem persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	PPH80-611

Feature	Detail
Battery Capacity	20000mAh (74Wh)
Input (Lightning)	5V/2A, 9V/2A (18W Max)
Input (Micro USB)	5V/2A, 9V/2A (18W Max)
Input (Type-C)	5V/3A, 9V/2A (18W Max)
Output (Type-C)	5V/3A, 9V/2.22A, 12V/1.67A (20W Max)
Output (USB-A 1/2)	4.5V/5A, 5V/4.5A, 9V/2A, 12V/1.5A (22.5W Max)
Dimensions	6.57 x 3.15 x 0.91 inches
Weight	1.05 pounds
Color	Sense6F (White)

9. WARRANTY AND SUPPORT

ROMOSS products typically come with a limited warranty. Please refer to the warranty card included with your purchase or visit the official ROMOSS website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact ROMOSS customer service through their official channels. You can often find contact information on the product packaging or the ROMOSS official website.

Note: The warranty period for this product may be 90 days as per some customer reviews. Please verify the exact warranty terms upon purchase.

10. ENVIRONMENTALLY FRIENDLY DISPOSAL

This product contains a built-in lithium-polymer battery. Do not dispose of the product with general household waste. Please follow local regulations for the proper disposal of electronic devices and batteries. Recycling helps conserve natural resources and prevents potential negative consequences for the environment and human health.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question