

RAVPower RP-PB201

RAVPower 60W PD 20000mAh Portable Charger User Manual

Model: RP-PB201

1. INTRODUCTION

Thank you for choosing the RAVPower 60W PD 20000mAh Portable Charger. This device is designed to provide powerful and efficient charging for your electronic devices, including laptops, smartphones, and tablets. With its high capacity and fast charging capabilities, it ensures your devices stay powered on the go. Please read this manual carefully before use to ensure proper operation and to maximize the lifespan of your power bank.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Do not expose the power bank to extreme temperatures (hot or cold), direct sunlight, or humid environments.
- Do not disassemble, modify, or attempt to repair the device. This will void the warranty and may cause damage or injury.
- Keep the power bank away from water and other liquids.
- Do not drop, hit, or subject the power bank to strong impacts.
- Use only certified charging cables and adapters.
- Keep out of reach of children.
- Dispose of the power bank responsibly according to local regulations. Do not dispose of it in household waste.
- The power bank is equipped with advanced charging protections against overcurrent and overheating. However, always monitor the device during charging.

3. PACKAGE CONTENTS

- 1 x RAVPower PD Pioneer Power Bank (Model: RP-PB201)
- 1 x USB-C Charging Cable
- 1 x User Manual

4. PRODUCT OVERVIEW



Figure 1: RAVPower 60W PD 20000mAh Portable Charger and included USB-C cables.



Figure 2: Front view of the power bank, highlighting the USB-C PD port, iSmart USB-A port, and LED indicator lights.

The RAVPower RP-PB201 features a sleek design with multiple charging ports and LED indicators to show battery status. It includes a powerful USB-C PD (Power Delivery) port and an iSmart USB-A port for versatile charging.

5. SETUP

5.1 Initial Charging of the Power Bank

Before first use, it is recommended to fully charge your RAVPower portable charger. This ensures optimal performance and battery calibration.

1. Connect the included USB-C charging cable to the USB-C PD input port on the power bank.
2. Connect the other end of the USB-C cable to a 30W PD wall charger (not included).
3. The LED indicator lights will illuminate to show the charging progress. All four LEDs will be solid when fully charged.

Beyond Fast Recharge



Figure 3: Recharging the power bank. A 30W PD charger is recommended for fastest recharge (approx. 3 hours).

A full recharge takes approximately 3 hours when using a 30W PD wall charger.

6. OPERATING INSTRUCTIONS

6.1 Checking Battery Level

Press the power button once to check the remaining battery level. The LED indicators will light up:

- 4 LEDs: 75% - 100%
- 3 LEDs: 50% - 75%

- 2 LEDs: 25% - 50%
- 1 LED: 0% - 25%

6.2 Charging Your Devices

The RAVPower RP-PB201 supports charging for a wide range of devices, including laptops, smartphones, and tablets, using its USB-C PD and iSmart USB-A ports.

60W PD Ultra-Fast Charging

Bring your MacBook Pro 13" back to life
from 0% to 60% in just 1 hr

60W PD OUTPUT



*Data based on internal lab testing

Figure 4: Charging a MacBook Pro 13" using the 60W PD output for ultra-fast charging.



PD Port



iSmart Port

Dual Device Fast Charging

Charge up your laptop and phone, in sync, at top speeds

Figure 5: Dual device fast charging, powering both a laptop and a phone simultaneously.

20000mAh Battery Capacity

iPhone 11 Pro Max

UP
TO **2.6**
Charges

iPad Pro 2018

UP
TO **1.6**
Charges

Galaxy S10

UP
TO **3.4**
Charges

20000mAh



*Data based on internal lab testing



Figure 6: The 20000mAh capacity can charge an iPhone 11 Pro Max up to 2.6 times, an iPad Pro 2018 up to 1.6 times, and a Galaxy S10 up to 3.4 times (based on internal lab testing).

Universal Compatibility

Take care of all your devices when travelling

USB-C Port



Macbook Pro 2019



Dell XPS 13



iPad Pro 2018



Digital Camera



iPhone 11 Pro
iPhone 11 Pro Max



Nintendo
Switch

USB-A Port



Galaxy S/A Series



Galaxy Note series



iPhone



Bluetooth
Headphones



Figure 7: Universal compatibility with a wide range of devices via USB-C and USB-A ports.

6.2.1 Charging via USB-C PD Port (60W Output)

- Connect one end of a USB-C to USB-C cable to the USB-C PD port on the power bank.
- Connect the other end of the cable to your USB-C compatible laptop, tablet, or smartphone.
- The power bank will automatically begin charging your device.

This port is ideal for fast charging devices like MacBook Pro, Dell XPS, iPad Pro, and compatible smartphones.

6.2.2 Charging via iSmart USB-A Port (18W Output)

- Connect one end of a USB-A to your device's charging cable to the iSmart USB-A port on the power bank.
- Connect the other end of the cable to your smartphone, tablet, or other USB-A compatible device.
- The power bank will automatically begin charging your device.

This port is suitable for fast charging various smartphones (e.g., iPhone, Galaxy S/A series, Galaxy Note series) and other USB-powered devices.

6.2.3 Simultaneous Charging

You can charge two devices simultaneously using both the USB-C PD and iSmart USB-A ports. The power bank will intelligently distribute power to optimize charging speeds for both connected devices.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the power bank. Do not use liquid cleaners or aerosols.
- **Storage:** Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge the power bank to about 50-75% every 3 months to maintain battery health.
- **Battery Care:** To prolong battery life, avoid fully discharging the power bank frequently. Recharge it when the battery level is low.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Power bank not charging.	Charging cable is faulty or not properly connected. Wall charger is not working or not powerful enough. Power bank's internal protection activated.	Try a different USB-C cable and ensure it's securely connected. Use a known good wall charger, preferably a 30W PD adapter. Disconnect all cables, wait a few minutes, then try charging again.
Device not charging from power bank.	Charging cable is faulty or not properly connected. Power bank battery is depleted. Device is not compatible or requires specific charging protocol.	Try a different cable and ensure secure connection. Recharge the power bank fully. Ensure your device is compatible with USB-C PD or iSmart charging.
Slow charging.	Using a non-fast charging cable or adapter. Device's charging input limit. Charging multiple devices simultaneously.	Use the original or a certified fast-charging cable. Check your device's charging specifications. Charging one device at a time may yield faster speeds.

9. SPECIFICATIONS

Feature	Detail
Model Number	RP-PB201 (RP.PB201.BK)
Battery Capacity	20000mAh
USB-C PD Output	Up to 60W
iSmart USB-A Output	Up to 18W (2.4A)
USB-C PD Input	Up to 30W
Battery Cell Composition	Lithium Ion
Number of Ports	2 (1x USB-C, 1x USB-A)
Product Dimensions	18 x 12 x 3.6 cm
Item Weight	250 grams
Compatible Devices	Laptops, Smartphones, Tablets, etc.





10. WARRANTY AND SUPPORT



RAVPower products come with a standard warranty. For detailed warranty information, product support, or technical assistance, please visit the official RAVPower website or contact their customer service. Please have your model number (RP-PB201) and purchase details ready when contacting support.

Official Website: www.ravpower.com

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Related Documents - RP-PB201

	RAVPower PD Pioneer 20000mAh 60W Power Bank User Manual User manual for the RAVPower PD Pioneer 20000mAh 60W 2-Port Power Bank (Model: RP-PB201), including specifications, operating instructions, warranty information, and safety precautions.
	RAVPower PD Pioneer 70W 4-Port Power Bank User Manual User manual for the RAVPower PD Pioneer 20000mAh 70W 4-Port Power Bank, detailing package contents, product specifications, charging instructions, safety warnings, and compliance information.
	RAVPower PD Pioneer 20000mAh 18W 3-Port Power Bank User Guide User guide for the RAVPower PD Pioneer 20000mAh 18W 3-Port Power Bank (Model: RP-PB172), detailing package contents, specifications, usage instructions, charging procedures, and safety precautions.
	RAVPower Alpha Series Fast Charge Wireless Charging Pad User Guide User guide for the RAVPower Alpha Series Fast Charge Wireless Charging Pad (Model RP-PC034), detailing specifications, charging instructions, and safety precautions.

	<p>RAVPower RP-WD02 FileHub: Android Setup and Usage Guide</p> <p>Comprehensive instructions for setting up and using the RAVPower RP-WD02 FileHub with Android devices, covering file transfer, music playback, photo sharing, and Wi-Fi hotspot functionality.</p>
	<p>RAVPower iPlugmate USB Drive Online Guide</p> <p>An online guide for the RAVPower iPlugmate USB Drive, model RP-IM004. This guide covers features, specifications, app installation, file management, backup, and support information.</p>