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## Omnicharge Omni 20+

# Omnicharge Omni 20+ Portable Power Bank User Manual

Model: Omni 20+

## INTRODUCTION

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The Omnicharge Omni 20+ is a versatile portable power bank designed to charge a wide range of electronic devices, from laptops and cameras to drones and smartphones. It features multiple output options including an AC outlet, USB-C Power Delivery, QC 3.0 USB-A ports, and wireless charging. This manual provides essential information for the safe and efficient use of your Omni 20+.



Image: The Omni 20+ portable power bank shown with its retail packaging, highlighting its 20,000mAh capacity and various charging capabilities.

## PACKAGE CONTENTS

Verify that all items are present in your package:

- Omniccharge Omni 20+ Portable Power Bank
- 60W USB-C charging cable
- User Manual (Quick Start Guide, full manual available online)

**Note:** A fast charger and DC cables for specific devices (e.g., DJI Drones, Surface, other PC laptops) are not included and are sold separately.

## PRODUCT OVERVIEW

The Omni 20+ features a compact design with multiple input and output ports. An integrated OLED screen provides real-time operational data.



Image: A detailed diagram illustrating the various ports and features of the Omni 20+, including AC output, DC input/output, USB-C input/output, USB-A ports, wireless charging area, power button, and OLED screen.

## Ports and Features:

- **AC Port:** Up to 100W output for standard wall plugs.
- **DC Port:** Up to 100W input/output (5-25V adjustable).
- **USB-C PD Port:** Up to 60W input/output for fast charging compatible laptops and devices.
- **USB-A Ports (x2):** 18W QC 3.0 compatible for quick charging smartphones and tablets.
- **Wireless Charging:** 10W output for Qi-compatible devices.
- **OLED Screen:** Displays real-time metrics such as power input/output, battery percentage, temperature, and time remaining.
- **Power Button:** Activates/deactivates the device and controls the display.

## SETUP

### Initial Charge and Calibration:

Before first use, fully charge your Omni 20+. It is recommended to calibrate the battery for accurate readings. To calibrate, fully discharge the Omni 20+ until it turns off, then fully recharge it to 100% without interruption.

# Fast and flexible recharging

Fully recharge the Omni 20+ in under 3 hours with pass-through capabilities from your common AC to DC charger, USB-C laptop charger, solar panel or your 12V car charger.



Image: The Omni 20+ being recharged in a car using its DC input, demonstrating flexible recharging options.

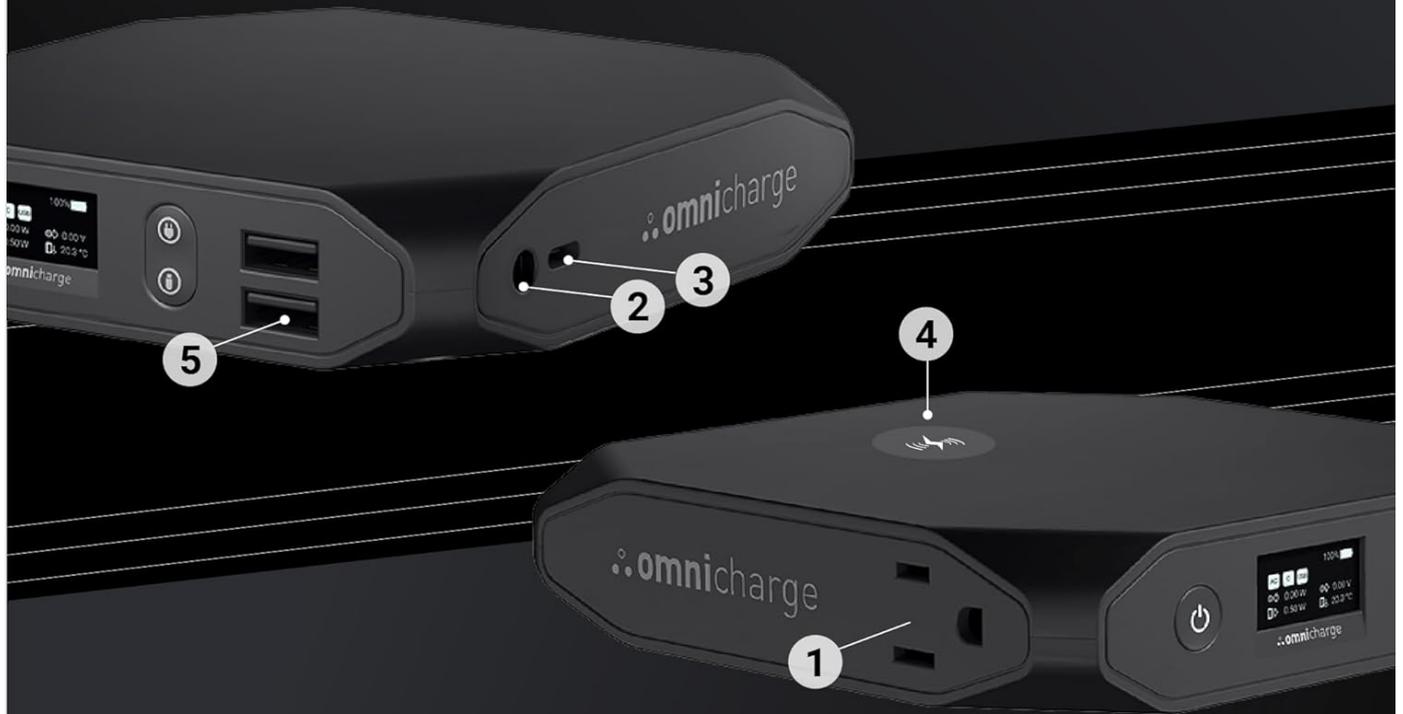
## OPERATING INSTRUCTIONS

### Charging External Devices:

- **AC Output:** Plug your device's AC adapter into the Omni 20+'s AC port. Ensure the device's power requirement does not exceed 100W.
- **USB-C Output:** Connect your USB-C compatible device using a USB-C to USB-C cable. The Omni 20+ supports up to 60W Power Delivery.
- **USB-A Output:** Use a standard USB-A cable to connect your device to either of the two USB-A ports. These ports support Quick Charge 3.0 for compatible devices.
- **Wireless Charging:** Place your Qi-compatible smartphone or accessory on the designated wireless charging area on top of the Omni 20+. Ensure proper alignment for optimal charging.

# All-in-one power solution

Every port you may ever need.



1



**100W**  
AC PORT

2



**100W**  
DC PORT

3



**60W**  
USB-C PORT

4



**10W**  
WIRELESS

5



**18W**  
USB-A PORT

Image: A close-up view of the Omni 20+ highlighting its various output ports: AC, DC, USB-C, wireless charging pad, and USB-A ports, each with its power rating.

# 10W Wireless charging

Our wireless charger supports a wide range of phones and wireless accessories for portable power no matter where you are.



Image: A smartphone is shown wirelessly charging on the Omni 20+, demonstrating the 10W wireless charging capability.

## Recharging the Omni 20+:

The Omni 20+ can be recharged using several methods:

- **USB-C Input:** Connect the included 60W USB-C cable to a compatible USB-C power adapter (not included).
- **DC Input:** Use a compatible DC power adapter (sold separately) to charge via the DC port. The Omni 20+ supports a wide voltage range.
- **Solar Charging:** The Omni 20+ can be recharged using compatible solar panels (up to 45W, sold separately).
- **Car Charger:** Recharge from a 12V car power outlet using an appropriate adapter (sold separately).

Full recharge time is approximately 3 hours with a fast USB-C charger.

## OLED Display and Menu:

The OLED screen provides critical information about the device's status and operation. You can navigate the configurable menu using the buttons next to the screen.

# Knowledge is power

OLED screen with real time metrics



CONFIGURABLE MENU



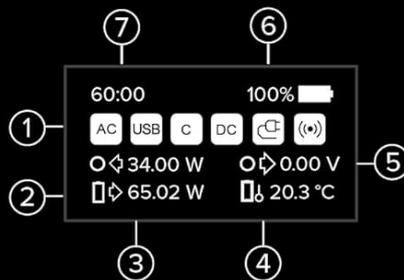
POWER DRAW



BATTERY TEMP.



BATTERY STATUS



1. Status Icons

2. Power Input (watts)

3. Battery Power Output (watts)

4. Battery Temperature

5. DC Output Voltage

6. Battery Percentage

7. Time Remaining

Image: A close-up of the Omni 20+'s OLED screen, showing status icons, power input/output in watts, battery power output, battery temperature, DC output voltage, battery percentage, and time remaining.

- **Status Icons:** Indicate active ports (AC, USB-C, DC, Wireless).
- **Power Input (watts):** Shows the power being drawn into the Omni 20+.
- **Power Output (watts):** Displays the power being delivered to connected devices.
- **Battery Percentage:** Current charge level of the internal battery.
- **Battery Temperature:** Internal temperature of the battery.
- **Time Remaining:** Estimated time until full charge or discharge.

## Pass-Through Charging:

The Omni 20+ supports pass-through charging, allowing it to be recharged while simultaneously charging other devices. This functionality works with the AC outlet, USB-A ports, and wireless charger. Note that pass-through charging does not work simultaneously with the USB-C and DC barrel ports for input and output, as these share circuitry for charging the Omni 20+ itself.

## MAINTENANCE

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## Battery Care:

- To prolong battery life, avoid fully discharging the unit frequently.
- Store the Omni 20+ in a cool, dry place when not in use.
- If storing for extended periods, maintain a charge level between 50-70%.
- Perform a full calibration (full discharge then full charge) periodically, especially if battery readings become inaccurate.

## Cleaning:

Wipe the exterior of the Omni 20+ with a soft, dry cloth. Do not use harsh chemicals or abrasive materials. Keep ports free of dust and debris.

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## TROUBLESHOOTING

- **Device not charging:**
  - Ensure the Omni 20+ is powered on and has sufficient charge.
  - Check cable connections and try a different cable or port.
  - Verify the device's power requirements do not exceed the Omni 20+'s output limits for the specific port.
  - For wireless charging, ensure proper alignment and that your device is Qi-compatible.
- **Omni 20+ not recharging:**
  - Ensure the charging cable and adapter are functioning correctly.
  - Verify the power source is active.
  - If using USB-C or DC input, ensure no other input is attempting to charge the unit simultaneously.
  - Perform a battery calibration if the charge percentage seems inaccurate.
- **OLED screen not displaying:**
  - Press the power button to activate the display.
  - If the unit is completely discharged, it may not power on until a minimum charge is applied.
- **AC outlet not working:**
  - Ensure the AC output is enabled through the Omni 20+'s menu.
  - Check the power draw of the connected device; it must be within the 100W limit.

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## SPECIFICATIONS

Feature	Detail
Model	Omni 20+
Battery Capacity	20,000 mAh / 71 Wh
AC Output	100W Max
DC Input/Output	100W Max (5-25V adjustable)
USB-C PD Input/Output	60W Max
USB-A Output	18W QC 3.0 (x2)

Feature	Detail
Wireless Charging	10W Max (Qi-compatible)
Dimensions	5 x 1.1 x 4.8 inches
Item Weight	1.1 pounds
Battery Type	Lithium Polymer
Manufacturer	Omnicharge, Inc.

## WARRANTY AND SUPPORT

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Omnicharge products are designed for quality and reliability. For warranty information and customer support, please refer to the official Omnicharge website or contact their customer service directly. Keep your proof of purchase for warranty claims.

**Manufacturer:** Omnicharge, Inc.

For further assistance, visit the [Omnicharge Store on Amazon](#) or their official website.

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This manual is for informational purposes only. Specifications are subject to change without notice.