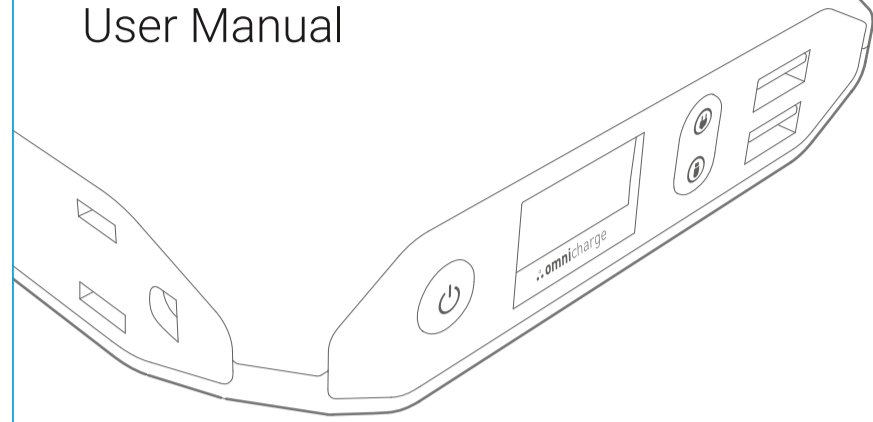


Omni 20+

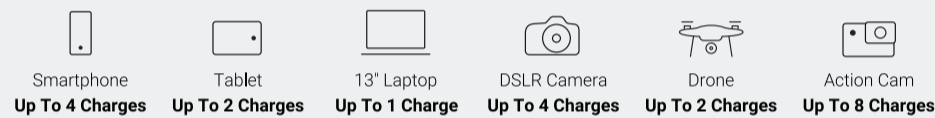
User Manual



www.omnicharge.co

omnicharge™

POWER YOUR NEXT ADVENTURE



BEFORE USING THE OMNI20+

Calibrate the battery

To ensure a correct battery readout, calibrate the battery when you first receive the product and periodically in the future.

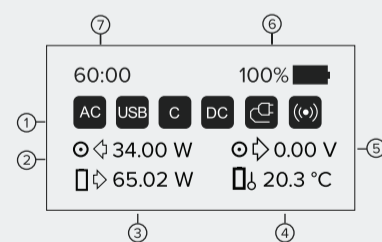
1. Fully discharge the Omnicharge until it cannot be turned on. Press the Power Button and you should see an empty battery icon on the screen.
2. Fully charge your Omnicharge to 100% to finish the calibration. Once you see a fully charged battery icon, you can power the Omnicharge back on.



Note: When not in use, the Omnicharge should be stored at full battery and fully charged at least every 6 months to avoid over depletion. Failure to do so can cause the battery to malfunction and is not covered by warranty.

SCREEN

OLED screen with real time metrics



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

BUTTON FUNCTIONS

PRIMARY CONTROLS

- Long press to power On
- Long press to power Off
- On/Off AC Outlet
- On/Off USB Ports

MENU CONTROLS

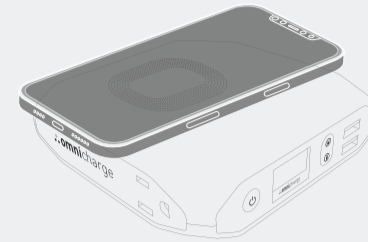
- Double press to enter the menu
- Quick press to select
- Move Up
- Move Down



WIRELESS CHARGING

MAX OUTPUT 10W

Place your phone on top of the Omnicharge to get fast and reliable wireless charging. For optimal wireless charging, align your phone horizontally with the back edge of the Omnicharge as shown in the picture.



- You will see a flashing wireless icon when the phone has been detected.

Note: The optimal charging range varies depending on the size of the receiver coil of your phone. Some phone models have small receiver coils and can experience sudden interruptions after few seconds of charging. This is because of minor alignment deviations between the transmitter and receiver coil. Please lift up the phone, wait a few seconds and finetune the position until you get a stable wireless charge.



DC PORT

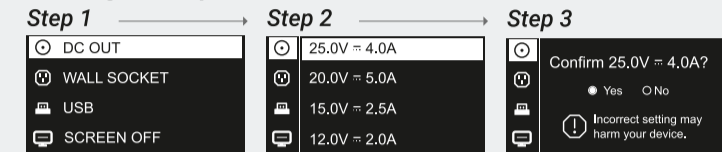
MAX OUTPUT 5A - 100W

5V - 25V
WITH 0.1V ACCURACY

The DC output feature allows you to directly output DC power through the barrel port. To use this feature you will need to know the voltage and amperage of your device and have a compatible cable.

Warning: Using the wrong voltage may damage your device.

Enabling DC Output



Omnicharge keeps 4 voltage presets. You can press and hold the power button while selecting a preset to customize the voltage and amperage.

DC Once active, a DC icon will appear on the screen.



USB-C PORT

MAX OUTPUT 60W

The USB-C port is always on and needs no configuration. Simply plug your USB-C device into the USB-C port to start charging.

Note: The USB-C and DC port share the same power circuit and cannot be used at the same time.

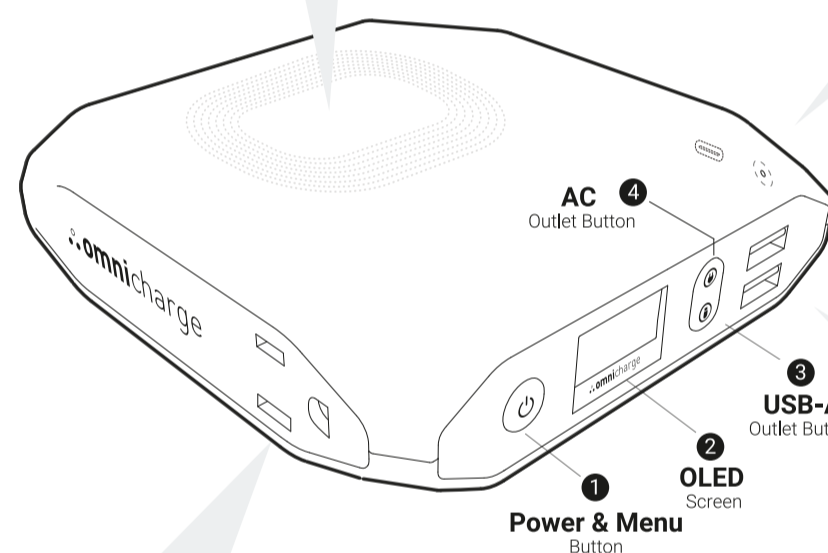


USB-A PORTS

MAX OUTPUT 18W

USB-A Ports: Quick Charge QC3.0 compatible, 18W Max

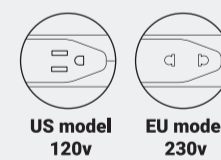
1. Choose whether the USB output is ON or OFF by default.



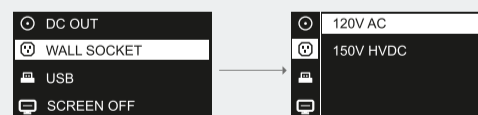
AC OUTLET

MAX OUTPUT 100W

To change the AC output mode, double press the Power Button to enter the menu and select Wall Socket.



1. Choose 120V AC/150V HVDC mode in the menu



Note: 150V HVDC is recommended if you are using a switch mode power supply, such as laptop's AC power adapter. Check our support page at www.omnicharge.co for more detailed information.

2. When AC/HVDC is active, the following icons should appear on the screen

AC AC output HV DC HVDC output

3. Power any device



+ And so much more



RECHARGING YOUR OMNICHARGE

1) FROM THE USB-C PORT

USB-C port max input: 45W

Connect a USB-C wall charger and it will automatically start recharging the Omni 20+. If the Omnicharge does not detect incoming power, try to plug in your USB-C charger while the Omnicharge is turned off.

Note: The USB-C and DC port share the same power circuit and cannot be used at the same time.



AC wall charger
3 hours



Solar (up to 45W)
3-6 hours



Car power port (12V)
3-6 hours



Laptop adapter
3 hours



PASS-THROUGH CHARGING

Pass-through charging means that you input power to the Omnicharge while outputting power to your device (passing the power through the Omnicharge). All Omnicharge products support pass-through charging. This means that you can input power through the USB-C or DC port, and output to the AC, USB-A and wireless.

OMNICHARGE ONE-YEAR LIMITED MANUFACTURER'S WARRANTY

Omnicharge warrants that its hardware product shall be free from defects in materials and workmanship for one (1) year beginning from the date of original retail purchase. Omnicharge does not warrant against normal wear and tear, nor damage caused by accident or abuse.

See www.omnicharge.co/warranty for specific warranty information about your product and procedures to act on a warranty claim. Omnicharge's entire liability and your exclusive remedy for any breach of warranty shall be at Omnicharge's option, to repair or replace a functional equivalent of the product. You may be required to furnish proof of purchase details when making a claim under this warranty. Warranty protections are in addition to rights provided under local consumer laws and may vary among countries, states and provinces. See the full warranty information to know your consumer rights and the additional protections provided by this product warranty.

www.omnicharge.co/warranty

CUSTOMER SUPPORT

All Omnicharge products have gone through quality inspection. If you find your Omnicharge or any Omnicharge accessory is demonstrating any abnormal behavior, immediately stop all product use and contact us at support@omnicharge.co, or visit our help center at <https://support.omnicharge.co>



SCREEN ICONS

AC OUTPUT
AC outlet is activated.

USB-C OUTPUT
USB-C output is activated.

SOLAR CHARGING
Charging from solar power.

ADJUSTABLE DC OUTPUT
Adjustable DC output is activated.

LOW TEMPERATURE PROTECTION
Battery's temperature is too low, the charging circuit is shut off.

OVERPOWER PROTECTION
Device is drawing too much power. Omnicharge will limit or cut off the output power.

LOW POWER PROTECTION
If output is higher than input and the battery is empty. Omnicharge will cut power until a sufficient battery level has been reached.

USB OUTPUT
USB ports are turned on.

RECHARGING
Your Omnicharge is being charged.

WIRELESS CHARGING
Wireless charging is active.

OPTIMAL CHARGING
Charging at maximum power.

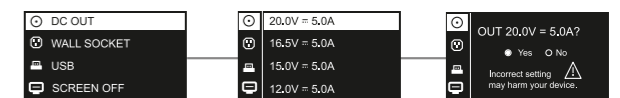
HVDC OUTPUT
HVDC (high voltage DC) is activated.

OVERHEATING PROTECTION
Battery temperature is too high. Omnicharge will limit or cut off its input and output power.

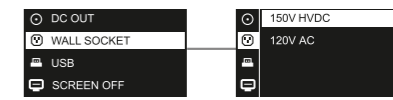
OVERVOLTAGE PROTECTION
Barrel input voltage exceeds the 25V limit. Input charging circuit is shut off.

MENU NAVIGATION

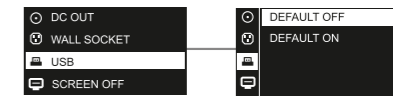
1. DC OUT
Turn on DC output. Set the voltage and amperage by long pressing the power button.



2. WALL SOCKET
Choose whether the AC outlet will output 120V AC or 150V HVDC.



3. USB
Choose whether your USB-A ports are On/Off at start. The default setting is on.



4. SCREEN OFF TIMER
Set the screen auto shut-off time. The default setting is 5 min.



5. AUTO SHUT DOWN
Set the power auto shut-off time. The default setting is 5 min.



FREQUENTLY ASKED QUESTIONS

1. Can I pass-through charge between the DC barrel port and the USB-C port?

Pass-through charging on the Omni 20+ only functions with power input from the USB-C or DC port. Both the DC and USB-C port operate on the same circuit and cannot pass-through charge between each other or be used simultaneously.

2. Why is my Omni 20+ outputting power when nothing is connected?

This is perfectly normal behavior. The passive power draw can vary from 0.2W-1.5W and is required for the onboard circuits and display.

3. Can I carry my Omnicharge with me on a plane?

Yes, the Omni 20+ can be brought with you in your carry-on luggage. The standard across most airlines is that you can carry up to 100Wh battery packs. If you are unsure, please check with your airline.

4. What is USB PD (Power Delivery)?

The USB-C port on the Omni 20+ supports USB PD. This is a unified charging standard that uses standardized voltages which allows one universal USB-C charger to power other PD compatible devices like laptops, tablets, or phones.

5. Can I charge my Omnicharge from a solar panel?

The Omni 20+ can be recharged using most portable solar panels. Make sure your solar panel falls within the specs of the DC barrel port (5v-25v)

SAFETY AND HANDLING

Read all instructions and cautions carefully before use to avoid personal injury or damage to the unit and any connected products.

1. Handling

Set up your Omnicharge on a hard, stable work surface which allows for adequate air ventilation around the power bank. The Omnicharge may be damaged if dropped, burned, punctured, crushed, exposed to heat or moisture. Do not use a damaged Omnicharge as it may cause injury.

2. High Temperature

Do not store the device in high-temperature environments, including heat caused by intense sunlight or other forms of heat. Do not place device in excessively hot environments like cars or near fire.

3. Shock or Fire Hazard

Omnicharge products with AC output generate the same potentially lethal AC power as a normal household wall outlet. Please use it carefully just like using a normal AC wall outlet. DO NOT insert foreign objects into outputs or ventilation holes.

4. DC Output

Omnicharge products with DC output operate on a specified voltage. Check your device specifications for the operating voltage before use. Improper use of DC output may harm your device.

5. Battery

Your Omnicharge is not user serviceable, do not attempt to replace or modify the battery yourself, this may damage the battery which can cause overheating, fire or injury. Improperly replaced batteries may present a risk of leakage, explosion and personal injury. Any manipulation to the unit or its components will void all warranties.

6. Recycling

The battery in your device should be serviced or recycled by an authorized service provider, and must be recycled or disposed of separately from household waste. Dispose of batteries according to your local environmental laws and guidelines. If no laws or regulations govern, dispose of your Omnicharge in a waste bin for electronics.

NOTICE

This product is meant for use only in conjunction with appropriate devices. Please consult your device packaging to determine whether this product is compatible with your particular device. The manufacturer is not responsible for any damages to any device incurred through the use of this product.

The manufacturer shall not in any way be liable to you or to any third party for any damages you or any third party may suffer as a result of use, intended or unintended, or misuse of this product in conjunction with any device or accessory other than the appropriate device for which this product is designed.

The manufacturer shall not be responsible for any damages you or any third party may suffer as a result of misuse of this product as outlined above.

You are responsible for product use with an unintended device and any damages resulting from such use. You agree to indemnify the manufacturer for any resulting injuries to any third party(ies).

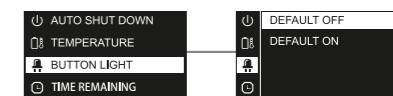
6. TEMPERATURE

Choose whether the temperature is displayed in Celsius or Fahrenheit.



7. BUTTON LIGHT

Choose whether the button lights are on or off. The default setting is on.



8. TIME REMAINING

Choose whether the time remaining is displayed.



9. LANGUAGE

Choose the screen language.



10. FACTORY RESET

Reset the Omnicharge to factory settings.



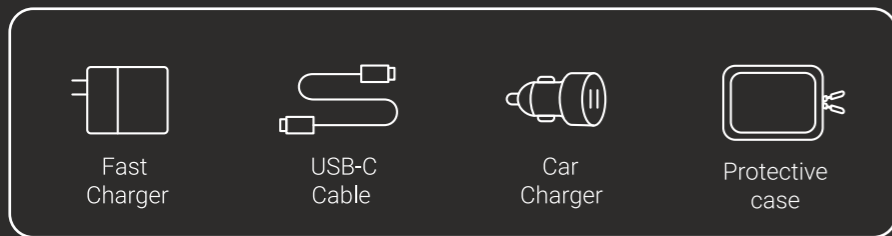
11. ABOUT

Find the model name, capacity, firmware version, and serial number information here.



JOIN OUR COMMUNITY TODAY

And get one of these accessories:



SCAN QR CODE

To register your Omni 20+ and claim your free accessory.

Visit <https://www.omnicharge.co/community>

TECHNICAL SPECS

GENERAL

Weight: 1.39 lbs (631.3 g)
Dimension: 5.0"x4.8"x1.1"(12.7x12.2x2.7 cm)
Combined output all ports: 120W

USB-C

PD enabled charging
Input: 5V=3A, 9V=3A, 12V=3A, 12V=3A, 15V=3A, 20V 3A, 45W Max
Output: 5V=3A, 9V=3A, 12V=3A, 12V=3A, 15V=3A, 20V 3A, 60W Max

USB-A OUTPUT

Port1: QC 3.0 5V=3A, 9V=2A, 12V=1.5A
Port2: QC 3.0 5V=3A, 9V=2A, 12V=1.5A

DC PORT

Bidirectional Input/output charging
Input: 5~25V, up to 3A, 45W max
Output: 5~25V, up to 5A, 100W max

AC PORT

120V AC, 60Hz, 100W max US version
230V AC, 50Hz, 100W max EU version

WIRELESS CHARGING

Output: 10W

CAPACITY

6 cells, 71Wh

OPERATING ENVIRONMENT

Temperature 0°C-40°C
Humidity 30-70%
Altitude ≤ 2000m

RETAIL UNIT
NOT FOR USE WITH
OMNI POWER STATION

MADE IN CHINA

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