

 **omnicharge®**

**Omnicharge  
Omni Power  
Station**



# Omnicharge Omni Power Station User Manual

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## POWERING SPACES



Flexible design



Avoid downtime



For all devices



Easy deployment

The Omni Power Station is an all-in-one solution to help you distribute power wherever, and whenever it's needed. The Omni Power Station is designed for forward-thinking organizations that understand the need to provide

portable power access to people so they can stay powered anywhere, on or off-site, without being tethered to fixed infrastructure constraints.



All in one power solution



Fast and easy deployment



Plug & Play system

**WHAT’S IN THE BOX**

The Omni Power Station comes with everything you need to get started, including the Omni 20+, the base station, and the power cable.



BASE STATION	5 OR 10 OMNI 20+	AC POWER CABLE	USER MANUAL
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**GETTING TO KNOW THE POWER STATION**

The Omni Power Station is a simple plug-and-play device. Just plug into an AC outlet, and you are ready to go.



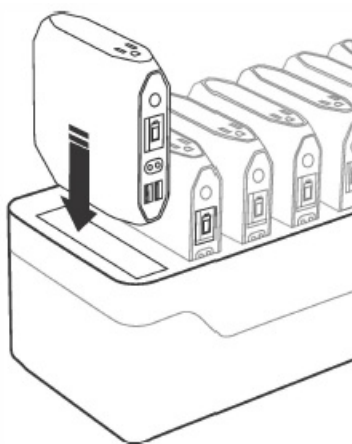
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## SETTING UP THE POWER STATION

Before setting up your Power Station, make sure you have a suitable location. Do not place the station in direct sunlight, next to an active heat source, or in an environment that is excessively dusty.

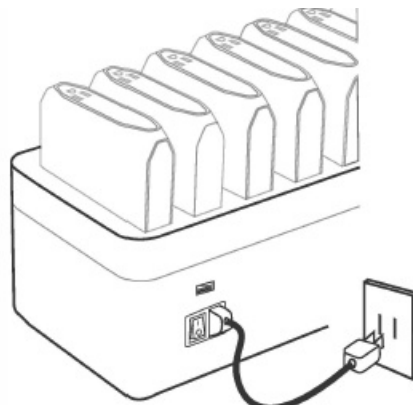
### • STEP 1:

Place the chargers into the open bays with the AC port facing upwards and the screen facing front.



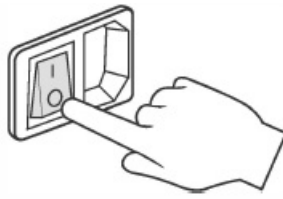
### • STEP 2:

Plug the AC power cable into the base of the power station, and connect it to a power outlet.



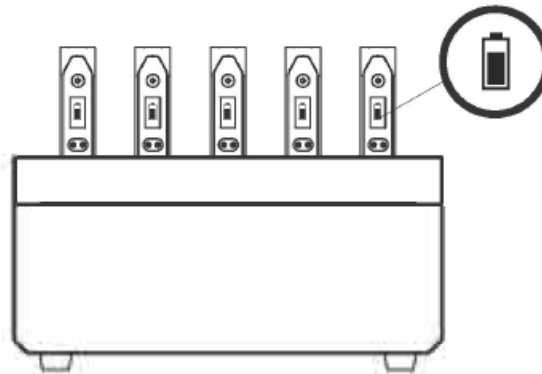
### • STEP 3:

Press the power button on the back side of the powerstation to turn it on.



- **STEP 4:**

Wait until the charging icon displays in all the charger screens, meaning it is well connected and charging the Omni 20+.



**Note:** The chargers require no force when connecting them to the charging bay. Make sure the charger is level when pushed into the slot and not crooked. Never force the Omnicharger into the charging base.



**POWER ANY DEVICE**



					
Smartphone	Tablet	13" Laptop	DSLR Camera	Drone	Action Cam
Up To 4 Charges	Up To 2 Charges	Up To 1 Charge	Up To 4 Charges	Up To 2 Charges	Up To 8 Charges

The Omni 20+ is a portable laptop charger that is fast and reliable. Perfect for charging laptops, Cell phones, and any other piece of tech you need on the go. It's the perfect power companion. With high-power capabilities for fast, wireless charging, you can get the benefits of flexible and reliable power from this powerbank no matter where you are.



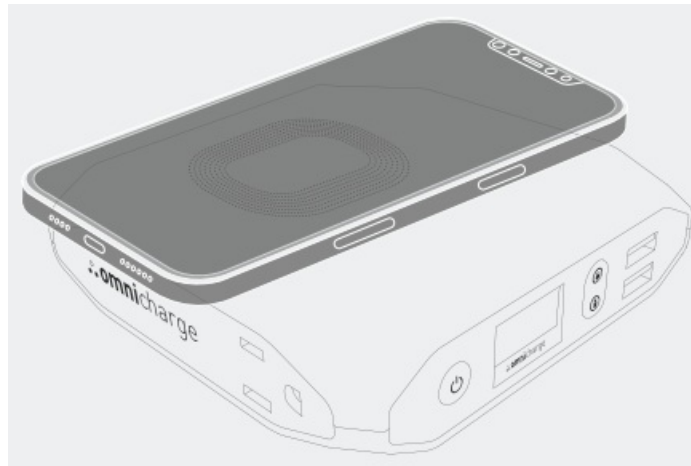
				
100W AC PORT	100W DC PORT	60W USB-C PORT	2X 18W USB-A PORT	10W WIRELESS



**WIRELESS CHARGING**

**MAX OUTPUT 10W**

Place your phone on top of the Omniccharge to get fast and reliable wireless charging. For optimal wireless charging, align your phone horizontally with the back edge of the Omniccharge as shown in the picture and make sure the USB-A mode is ON.



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

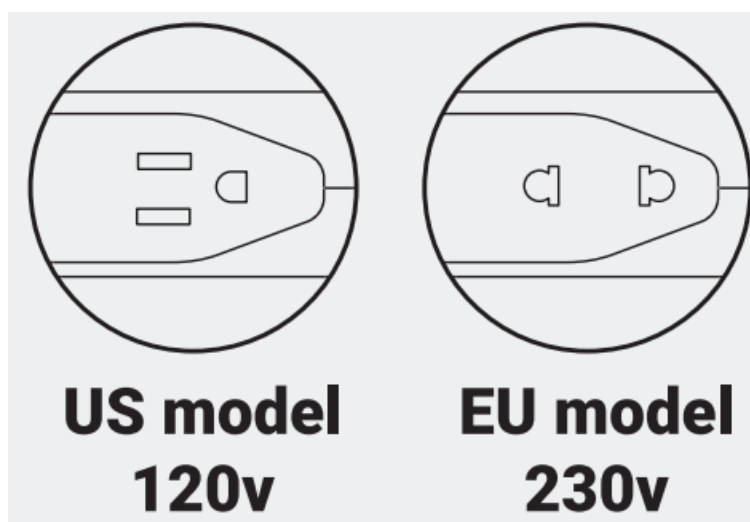
**Note:** The optimal charging range varies depending on the size of the receiver coil of your phone. Some phone models have small receiver coils and can experience sudden interruptions after few seconds of charging. This is because of minor alignment deviations between the transmitter and receiver coil.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



## AC OUTLET

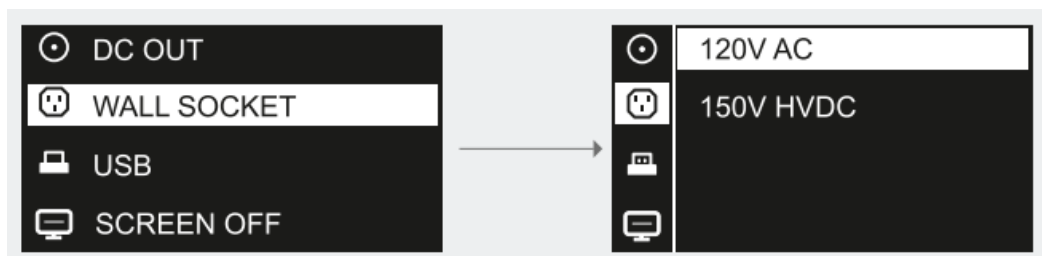
### MAX OUTPUT 1 DOW

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



1. Choose 120V AC/1 S0V HVDC mode in the menu





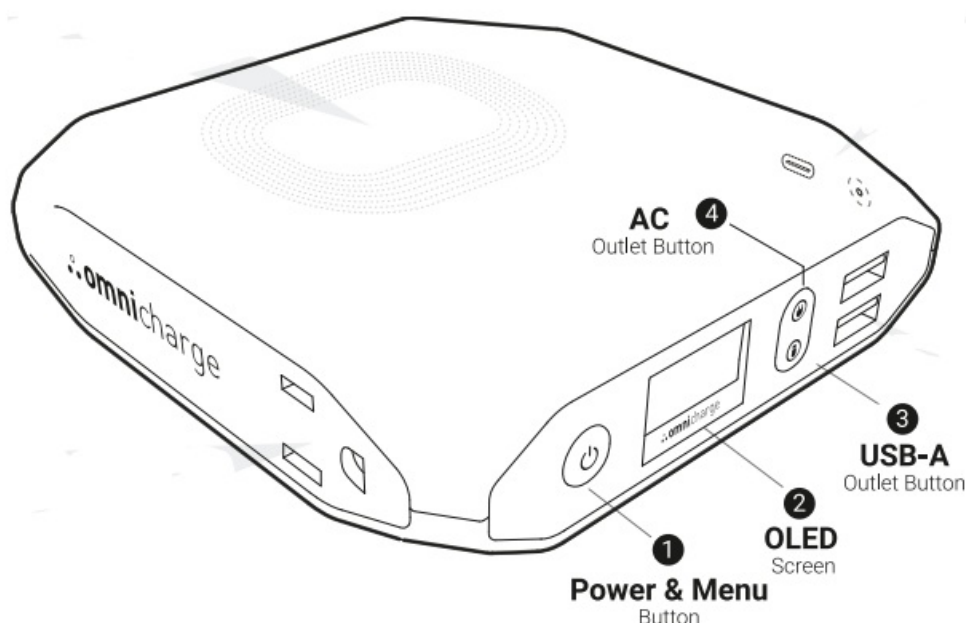
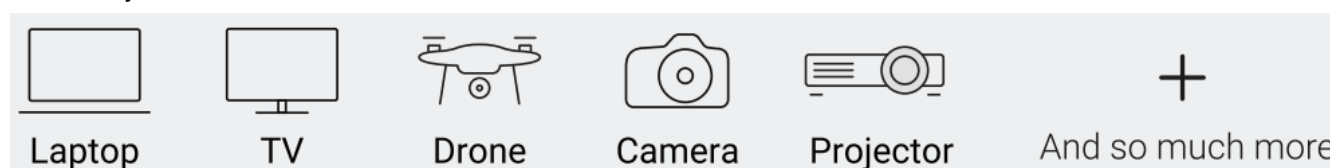
**Note:** 1 S0V HVDC is recommended if you are using a switch mode power supply, such as laptop's AC power adapter.

Check our support page at [www.omnicharge.co](http://www.omnicharge.co) for more detailed information.

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



3. Power any device



**5V-25V**  
WITH 0.1V ACCURACY



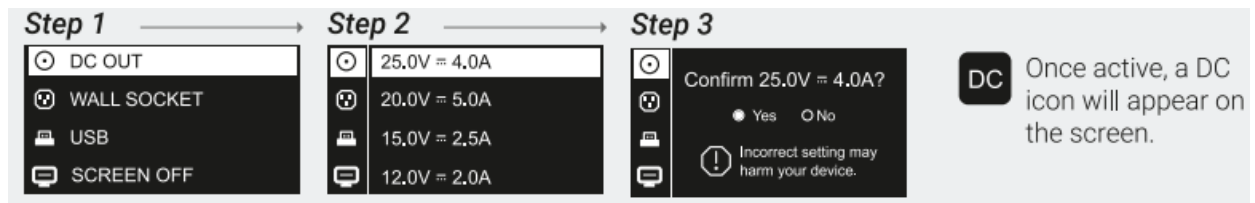
MAX OUTPUT 5A – 1 OOW

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.



### USB-C-PORT

MAX OUTPUT 60 W

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.

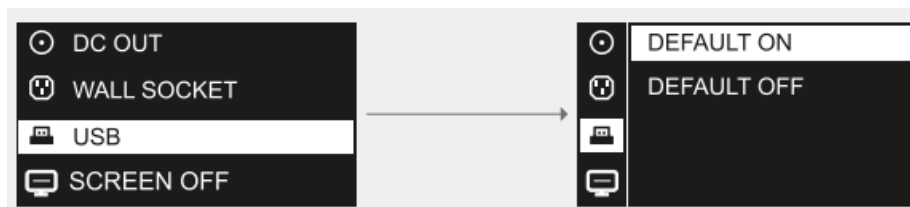


### USB-A PORTS

MAX OUTPUT 18W

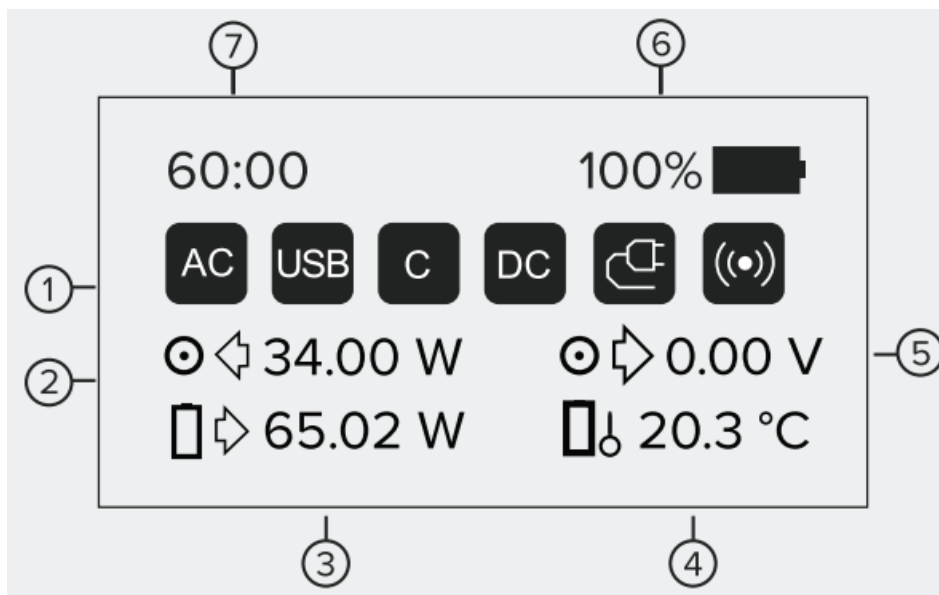
USB-A Ports: Quick Charge QC3.0 compatible, 18W Max

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



## 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

## MENU NAVIGATION

Double-press the power button to access the menu, quick press it to select any function, and use the AC and USB buttons to move up or down.

## 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.

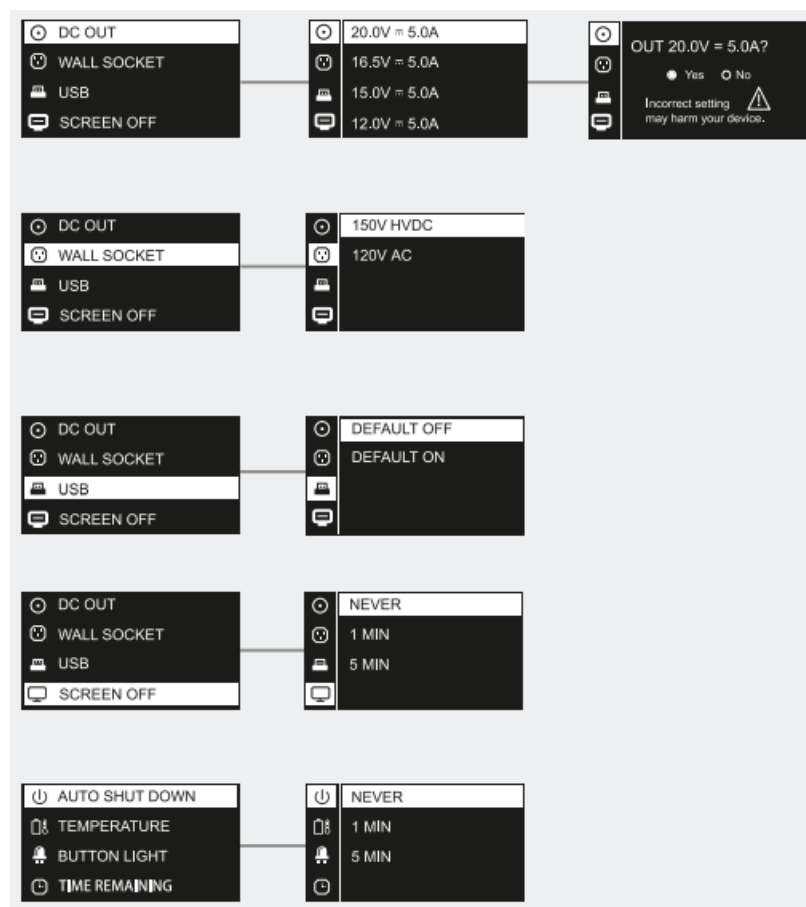
The default setting is on.

## 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.



## 6. TEMPERATURE

Choose whether the temperature is displayed in celcius 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

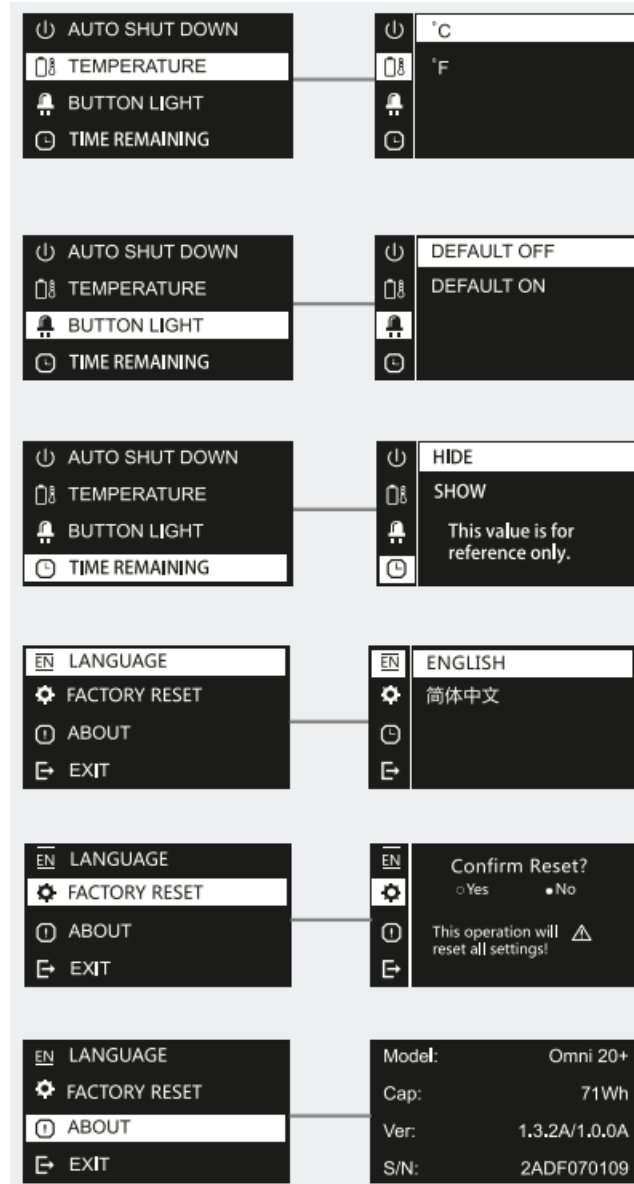
Choose the screen language.

## 10. FACTORY RESET

Reset the Omnicarge to factory settings.

## 11. ABOUT

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



## 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.

### 2. FROM THE BARREL PORT

DC Input 5V – 25V, Up to 3A (SW – 45W)

To charge from the barrel port make sure you have a compatible charger. The Omni 20+ uses a common 5.5 x 2.1 mm connector and accepts voltages in the 5V-25V range.

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



Power Station  
3 hours



AC wall charger  
3 hours



Solar (up to 45W)  
3-6 hours



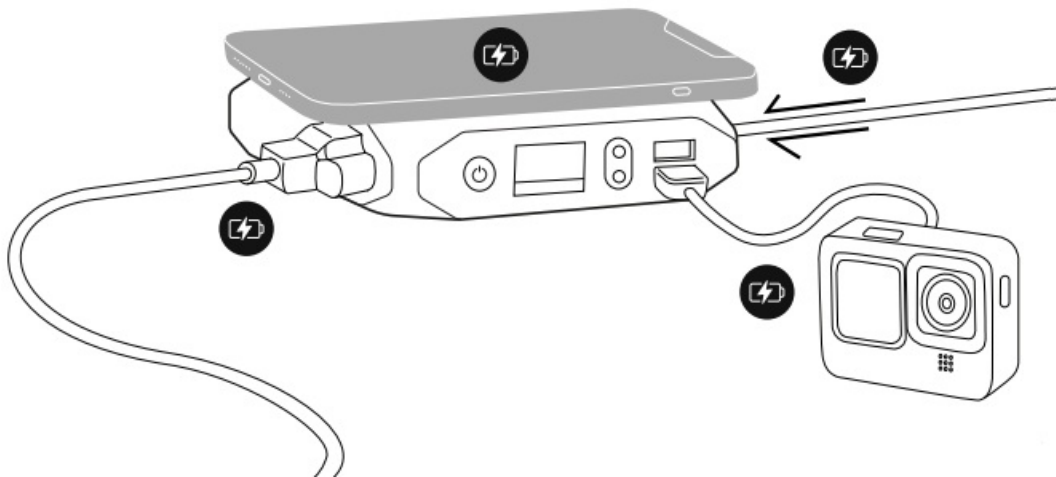
Car power port (12V)  
3-6 hours



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.



## STORING THE POWERSTATION

When storing the power station for an extended period of time please adhere to the following guidelines. Failure to do so can cause long-term damage to the battery cells, and may void your warranty.

-  Store the power station in a cool and dry location.
-  When not in use, the Omnicharge should be stored fully charged and recharged every 4 months to avoid over depletion.
-  Shut off the power and disconnect the power cable.
-  Make sure all Omnicharge units are powered off.

## DEPLOYMENT TIPS

1. Place your stations in visible, high traffic locations.
2. Communicating the availability of the Power Stations will help drive higher usage.
3. If a station is not getting much use, try moving it to a different location. Keeping a station powered on and unused will degrade battery health over time.
4. This product is designed for indoor use only. Keep your Power Station dry and away from moisture, flammable gasses or corrosive materials.
5. Do not set up the power station under direct sunlight or near any direct heat sources. Do not operate with wet hands.



## FAQs

Can I connect the Power Station to any AC wall outlet, or does it require a dedicated circuit?

Although it is best to connect the Power Station to a dedicated circuit, a regular outlet can also be used if the total power consumption of all connected devices does not exceed the circuit fuse rating. The Power Station must be connected to the grounded AC outlet that can provide 1 0A of current.

How much is the power consumption of the Power Station ?

The 10-bay Power Station' power consumption is 760Wh when all chargers are fully recharged from 0%-100%; The 5-bay is 380Wh

How long does it take for the Power Station to fully recharge the batteries?

It takes the Omni Power Station about three hours to fully recharge the batteries.

Does the Power Station need an internet connection to work?

The Power Station only needs to be online if you subscribe to the Omni Smart Centre. For regular unlocked usage, an internet connection is not required.

How to clean the Power Station and Omni 20+ chargers?

We suggest using non-water-based rubbing alcohol and lint-free cloth to clean off the surface of the Station and units.

Can I use all ports simultaneously and pass-through charge between them?

All ports except the DC and USB-C can be used simultaneously and for pass-through charging. DC and USB-C ports share the same circuitry and cannot operate at the same time. Pass-through charging on the Omni 20+ only functions with a power input from the USB-C or DC port.

How to use Wireless charging?

Press the USB-A button to activate the wireless charging and align your phone horizontally with the back edge of the Omnicarage. The flashing wireless icon will appear when the phone has been detected. Some phone cases may interfere with wireless transmission, so we suggest removing the case from your phone if you use one.

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.

Why is my device not charging at full speed via USB-C?

Omnicarage uses standard PD (power-delivery) profiles, but not all USB-C cables are USB-PD compatible. We suggest using the original Omnicarage USB-C cable or another brand-name PD-certified cable.

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.

## **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.

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).

## TROUBLESHOOTING

### How to get in contact with us

If your Power Station or Omni 20+ encounter any technical problems or if you have any inquiries about your Power Station please contact us via: [support@omnipower.co](mailto:support@omnipower.co)

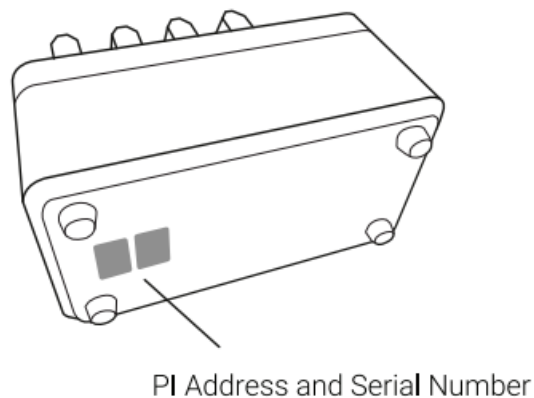
Before getting in contact with us, please make sure to prepare the information below so that we can give the best service and track your inquiry accordingly.

- The Station PI Address
- The Station Serial Number
- The charger Serial Number
- Purchasing information (Receipt, PO, Order ID.)

Where to find the PI Address Number and Serial Number of your product.

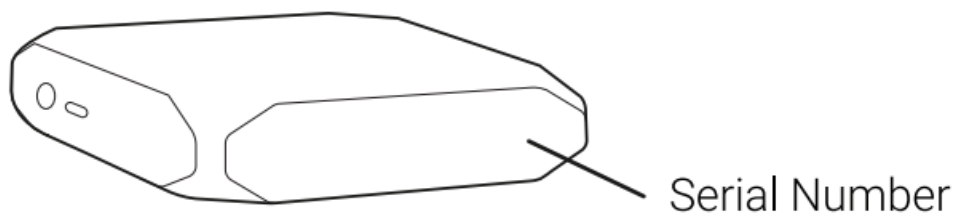
### Power Station:

Place the Power Station on one side, the PI Address and Serial Number stickers are located at the bottom side.



### Omni 20+:

Each Omni 20+ is engraved with a Serial Number located at the back side.



You can also find the Serial Number of each Omni 20+ in the About section of the menu.

EN LANGUAGE	Model: Omni 20+
⚙️ FACTORY RESET	Cap: 71Wh
📄 ABOUT	Ver: 1.3.2A/1.0.0A
➡️ EXIT	S/N: 2ADF070109

For complete troubleshooting information, Omnicharge provides a forum and detailed FAQ page where you can find the most common inquiries:

[www.omnicharge.co/powerstation-faq](http://www.omnicharge.co/powerstation-faq)

Scan to go to the troubleshooting page



If you can't find what you are looking for, please do not hesitate to contact us.

## GENERAL

### POWER STATION

- Weight w/ units (5x): 10.9 kg (24.1 lbs)
- Weight w/ units (7 Ox): 18.6 kg (41.1 lbs)
- Dimensions w/ units (5x): 330mm x 179mm x 250mm (12.9 x 7 x 9.8 in)
- Dimensions w/ units (1 Ox): 530 mm x 179 mm x 250 mm (20.8 x 7 x 9.8 in)

### OMNI20+

- Weight: 1.39 lbs (631.3 g)
- Dimensions: 5.0"x4.8"x1.1"(12.7×12.2×2.7 cm)
- Combined output all ports: 120W

### OUTPUT

24V 2A (per charging bay)

### INPUT

100V-240V~,50/60Hz, up to 10A(10X) 100V-240V~,50/60Hz, up to 5A(5X);

### OPERATING ENVIRONMENT

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

## PORTS & POWER

- **AC PORT**

120V AC, 60Hz, 1 00W max US version 230V AC, 50Hz, 1 00W max EU version

- **USB-C**

PD enabled bidirectional 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 18W Max

- **DC PORT**

Bidirectional Input/output charging Input: 5~25V, up to 3A, 45W max Output: 5~25V, up to 5A, 1 00W max

- **WIRELESS CHARGING**

Output: 1 0W Max

- **CAPACITY**

6 cells, 71 Wh

## SAFETY AND HANDLING

Failure to follow these safety instructions can result in fire, electrical shock, injuries, or damage to your Power Station or other property. Read all safety informatin carefully before using your Power Station.

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

- **Handling**

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

- **High Temperature**

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

- **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 NO insert foreign objects into outputs or ventilation holes.

- **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.

- **Grounding**

The Power Station must be grounded. Never operate your Power Station in the absence of a suitably installed ground conductor.

- **Disassembly**

Do not disassemble this product or attempt to re-purpose or modify it in any manner.

- **Cables**

The power cable, like any other metal wire or cable, is subject to becoming weak or brittle if repeatedly bent or crushed in the same spot. To avoid damage, do not place any objects on top of the cable. Do not use the power cable if damaged.

- **Radio Frequencies**

The built-in communication module exchanges data with both the cloud and terminal equipment. The equipment operates at in the 2402Mhz to 2480Mhz frequency band(s). Maximum Wi-Fi power transmitted in the operating frequency is + 17.9dBm. Maximum bluetooth power transmitted is +3.9dBm.

- **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 Omnicarge in a waste bin for electronics.

**WARNING:**

Failure to follow these safety instructions can result in fire, electrical shock, injuries, or damage to your Power Station or other property. Read all safety information carefully before using your Power Station. Do not set up the power station under direct sunlight or near any heat sources like ovens, stoves, etc, as this may cause the Power Station to overheat. The Power Station must be grounded. Never operate your power station in the absence of a suitably installed ground conductor. Before you clean your Power Station, disconnect the power and remove all Omnicargers. Clean your Power Station with a soft damp cloth and avoid spraying liquid on the Power Station. This product is designed for indoor use only. Keep your Power Station dry and away from moisture, flammable gasses or corrosive materials. Do not operate with wet hands. Do not disassemble this product or attempt to re-purpose or modify it in any manner. The power cable should only be used with the Omni Power Station. Do not use with any other products. The power cable, like any other metal wire or cable, is subject to becoming weak or brittle if repeatedly bent or crushed in the same spot. To avoid damage, do not place any objects on top of the cable. Do not use the power cable if damaged.

**BATTERY MAINTENANCE**

The Omni 20+ uses lithium battery cells which have a limited number of cycles depending on usage and environment. Use the following guidelines to help maximize battery life. Once the batteries are depleted beyond usage, they will need to be replaced. Please contact your reseller or [support@omnipower.co](mailto:support@omnipower.co) for assistance.

- Try to balance the usage of your Omnicarge batteries. Excessive use of a single battery can shorten the lifespan of the battery cells.
- Lithium batteries should not be left charging on the station constantly without use. If your power station is not in use for more than a week, we recommend turning the station and chargers off and topping them up every 3-4 months.

Any battery that fails due to misuse, abuse, age, or improper maintenance, is not covered by our warranty.

**Battery precautions**

Your Omnicarge 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.

**WARRANTY**

**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](http://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](http://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@omnipower.co](mailto:support@omnipower.co), or visit our help center at <https://support.omnicharge.co>



## MADE IN CHINA

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## Documents / Resources

	<p><a href="#">Omnicharge Omni Power Station</a> [pdf] User Manual Omnicharge Omni Power Station, Power Station, Station</p>
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## References

- [Laptop Power Banks for Mobile Professionals | Omnicharge](#)
- [Warranty Policy – Omnicharge](#)
- [Omnicharge](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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