

# Omni Power Station 20+

User Manual

..omni**charge**®



[www.omnicharge.co](http://www.omnicharge.co)

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**Warranty:** Please refer to our warranty at: <https://www.omnicharge.co/pages/warranty-policy> (the "Warranty"). Unless otherwise expressly agreed by us in writing, the Warranty constitutes our sole warranty to this product.

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**Use at Own Risk and Third-Party Products:** This product is designed for specific purposes as outlined in this manual and is intended for use with third-party products that meet the criteria and specifications described in the manual. We are not liable for any harm, loss, or damage resulting from use outside its intended purpose or contrary to this manual's instructions.

**Modifications:** To the extent that any disclaimers of warranties or limitations of liability set forth in this manual are not permissible under the applicable laws of the user's jurisdiction, such disclaimers and limitations shall be modified to preserve the intent of these provisions to the greatest extent permitted by the applicable laws.

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# POWERING SPACES



∞.omni**charge**®

## Omni Power Station

The Omni Power Station is an all-in-one solution to help you distribute power wherever, and whenever 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.



Flexible design



Avoid downtime



For all devices



Easy deployment



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 portable charger, the base station, and the power cable.



BASE  
STATION

5 OR 10  
PORTABLE CHARGERS

AC  
POWER CABLE

USER  
MANUAL

# 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.



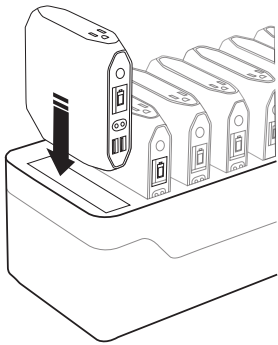
- 1- Power Switch
- 2- Power Plug
- 3- Ethernet Port

# SETTING UP THE POWER STATION

Before you set up your Power Station, please be sure to carefully read and adhere to the safety and handling guidelines to ensure the proper use of this product.

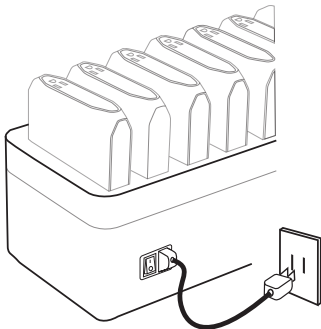
## STEP 1:

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



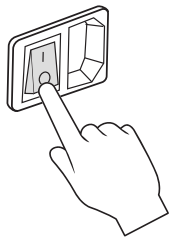
## STEP 2:

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



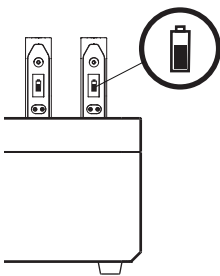
## STEP 3:

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



## STEP 4:

Wait until the lock icon displays in all the Portable Chargers screens, meaning they are well connected and charging.



**Note:** Connecting the Portable Chargers to the charging bay should require no force. Ensure they are level when inserting them into the slot and avoid forcing them into the charging base.

# POWER STATION SAFETY & HANDLING

## WHEN SETTING UP THE POWER STATION



Set up your Power Station on a hard, flat, and stable work surface which allows for adequate air ventilation around the unit.



We recommend placing the Power Station with a minimum 10cm gap from any wall and maintaining a distance of at least 30cm between each Power Station.



Do not install the Power Station in an environment where heat can easily accumulate, this will cause the batteries to overheat. The optimal temperature 0°C-40°C. Altitude ≤ 2000m



Install the Power Station in a dry location, away from high humidity as moisture and oxidation of internal electronic components can impact performance and safety. Optimal humidity 30-70% .



The maximum power for each Power Station is 450W. Please use a socket that is suitable for this power rating and avoid overloading.



Please use the original power cable and avoid using other brands or models. Inappropriate power cables may damage your power station or pose safety risks.



Avoid bending or crushing the power cable, as repeated stress can weaken it. Don't place objects on the cable, and refrain from using it if it's damaged.



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



Failure to follow these safety instructions can result in fire, electrical shock, injuries, or damage to your Power Station or other property. Inappropriate use of the Power station may cause long term damage to the battery cells, and may void your warranty.

## AVOID PLACING THE POWER STATION:



Inside a cabinet



In direct sunlight



Close to heat sources like heaters, or microwaves.



Near flammable gasses or combustible materials.

## WHEN STORING THE POWER STATION



If your Power Station or Portable Chargers are not in use for more than a week, we recommend turning them off.



Shut off the Power Station power, disconnect the power cable and power down the chargers.



Store the powerstation in a cool and dry location. The optimal storing temperature is 10°C-35°C and humidity is 40-70%.



Before cleaning your Power Station, disconnect it, remove the Portable Chargers, and power them down. Use a dry cloth to clean; avoid liquid and operating with wet hands.



POWER ANY  
DEVICE



∴ **omni**charge®

# Omni Portable Charger

The Omni Portable Charger is the perfect professional power solution, offering speed, versatility, and reliability. It's perfect for charging laptops, cell phones, and all your essential tech on the move. With high-power capabilities, including a 100W AC outlet, 60W USB-C port, and rapid wireless charging, it's your go-to source for flexible and dependable power in any situation. This Portable Charger offers five different charging methods, ensuring all your devices stay powered up effortlessly, anywhere.



Smartphone  
Up To 4 Charges



Tablet  
Up To 2 Charges



13" Laptop  
Up To 1 Charge



DSLR Camera  
Up To 4 Charges



Drone  
Up To 2 Charges



Action Cam  
Up To 8 Charges



**100W**  
AC PORT



**100W**  
DC PORT



**60W**  
USB-C PORT



**2X 18W**  
USB-A PORT



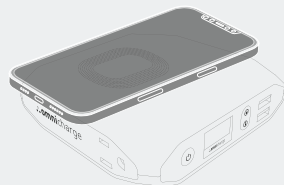
**10W**  
WIRELESS



## WIRELESS CHARGING

### MAX OUTPUT 10W

Place your phone on top of the Portable Charger to get fast and reliable wireless charging. For optimal wireless charging, align your phone horizontally with the back edge of the Omnicarge 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 100W

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



US model  
120v



EU model  
230v

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.omnicarge.co](http://www.omnicarge.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



Laptop



TV



Drone



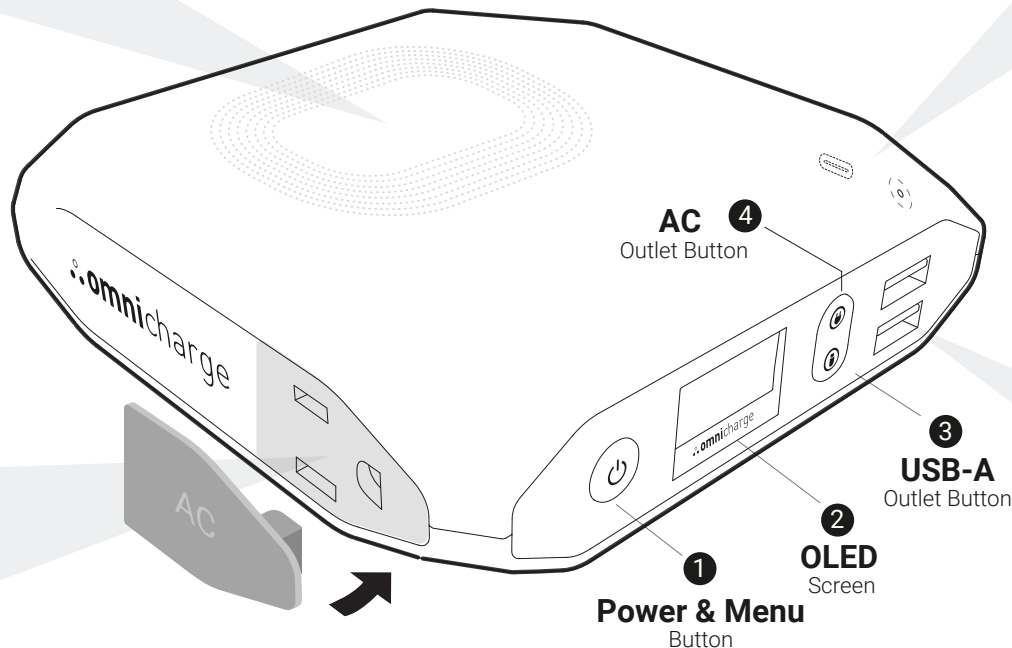
Camera



Projector



And so much more



**Note:** Before utilizing the AC port, carefully remove the silicone protector. After use, reattach it by gently pressing and securing it in place, ensuring reliable protection against water and dust infiltration.



## DC PORT

### MAX OUTPUT 5A - 100W

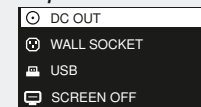
5V - 25V  
WITH 0.1V ACCURACY

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.

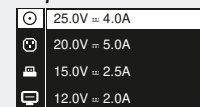
**Warning:** Using the wrong voltage may damage your device.

Enabling DC Output

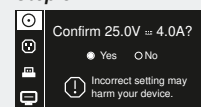
Step 1



Step 2



Step 3



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

Omnicarge 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 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.

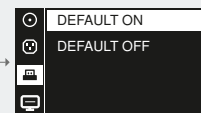
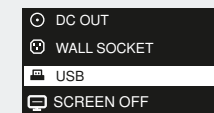


## USB-A PORTS

### MAX OUTPUT 18W

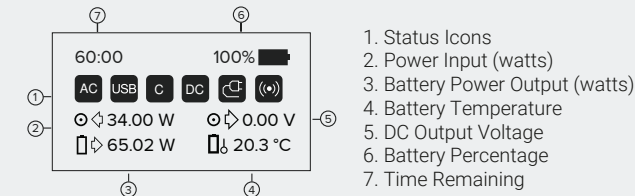
**USB-A Ports:** Quick Charge QC3.0 compatible, 18W Max

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



# 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

# 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.

DC OUT

WALL SOCKET

USB

SCREEN OFF

20.0V ~ 5.0A

18.5V ~ 5.0A

15.0V ~ 5.0A

12.0V ~ 5.0A

OUT 20.0V ~ 5.0A?

Yes

No

Incorrect setting may harm your device.
2. **WALL SOCKET**  
Choose whether the AC outlet will output 120V AC or 150V HVDC.

DC OUT

WALL SOCKET

USB

SCREEN OFF

150V HVDC

120V AC
3. **USB**  
Choose whether your USB-A ports are On/Off at start. The default setting is on.

DC OUT

WALL SOCKET

USB

SCREEN OFF

DEFAULT OFF

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

DC OUT

WALL SOCKET

USB

SCREEN OFF

NEVER

1 MIN

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

AUTO SHUT DOWN

TEMPERATURE

BUTTON LIGHT

TIME REMAINING

NEVER

1 MIN

5 MIN
6. **TEMPERATURE**  
Choose whether the temperature is displayed in celsius or fahrenheit.

AUTO SHUT DOWN

TEMPERATURE

BUTTON LIGHT

TIME REMAINING

°C

°F
7. **BUTTON LIGHT**  
Choose whether the button lights are on or off. The default setting is on.

AUTO SHUT DOWN

TEMPERATURE

BUTTON LIGHT

TIME REMAINING

DEFAULT OFF

DEFAULT ON
8. **TIME REMAINING**  
Choose whether the time remaining is displayed.

AUTO SHUT DOWN

TEMPERATURE

BUTTON LIGHT

TIME REMAINING

HIDE

SHOW

This value is for reference only.
9. **LANGUAGE**  
Choose the screen language.

LANGUAGE

FACTORY RESET

ABOUT

EXIT

ENGLISH

日本語
10. **FACTORY RESET**  
Reset the Omnicarge to factory settings.

LANGUAGE

FACTORY RESET

ABOUT

EXIT

Confirm Reset?

Yes

No

This operation will reset all settings!
11. **ABOUT**  
Find the model name, capacity, firmware version, and serial number information here.

LANGUAGE

FACTORY RESET

ABOUT

EXIT

Model: Power 20+

Cap: 711Wh

Ver: 1.3.2A/1.0.0A

S/N: 2ADF070109

# RECHARGING YOUR PORTABLE CHARGER

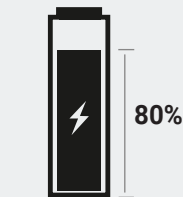
Charging time 4-6 hours

## RECHARGE FROM THE POWER STATION



Return the Portable Chargers to the Power Station charging base for optimal charging. A battery icon should appear on the screen to confirm proper charging.

## BALANCED BATTERY CHARGING MODE



Upon reaching a full 100% charge, the Portable Charger will automatically discontinue the charging process. To ensure optimal battery health, if left unused for an extended period, the charger will self-deplete to 80%. Please note that it is normal for the charger not to maintain a constant 100% charge, as this proactive measure is designed to promote longevity.

# BATTERY MAINTENANCE

The Portable Charger 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.

- Try to balance the usage of your Portable Chargers. 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.

- Adhere to the guidelines for proper handling and storage of the Power Station and Portable Chargers to prevent unnecessary depletion of their battery life.

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

## BATTERY HEALTH MONITORING

The Portable Charger includes a dynamic battery health and power monitoring system. It adjusts recharge and rest times for lithium batteries, along with power output, based on battery conditions and the environment.

You'll be notified on-screen if potential overuse due to battery depletion or end of life, prior to any permanent deactivation.

1. When the following screen alert appears, you'll be able to use the Portable Charger but the unit will soon need to be replaced.



2. When the following screen alert appears, the battery has reached its end of life and has deactivated. Please replace the unit.





PORTABLE CHARGER SAFETY & HANDLING



Inspect the Portable Charger for any type of damage before use. If damaged when using it, stop using it, do not place it back to the station, and notify your supervisor for a replacement.



The Portable Charger is designed for indoor use only. Set up your Portable Charger on a hard, flat, and stable work surface which allows for adequate air ventilation around the portable charger.



Do not place or use the Portable Charger in high-temperature environments, including heat caused by intense sunlight or other forms of heat like inside a car, next to a radiator or heater.



The Portable Charger may be damaged if dropped or exposed to strong shock, punctured or crushed, subjected to heat or fire, or in contact with any liquids, moisture, or corrosive chemicals.



If the unit does not turn on, or there is a warning notification on the unit, immediately stop using, do not place it back on the station, and inform your supervisor to replace the unit.



The Portable Chargers 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.



The Portable Charger is not user serviceable. Do not attempt to replace or modify the Portable Charger yourself, this may damage the battery which can cause overheating, fire or injury.



Dispose of your device's battery through an authorized provider in compliance with local environmental regulations, or contact support@omnipower.co for disposal assistance.



Failure to follow these safety instructions can result in fire, electrical shock, injuries, or damage to your Portable Charger or other property. Inappropriate use of the Portable Charger may cause long term damage to the battery cells, and may void your warranty.

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).

POWERSTATION SPECS

GENERAL

POWER STATION

Weight w/ units (5x): 10.9 kg (24.1 lbs)  
Weight w/ units (10x): 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 (10x): 530 mm x 179 mm x 250 mm (20.8 x 7 x 9.8 in)

PORTABLE CHARGER

Weight: 1.39 lbs (631.3 g)  
Dimensions: 5.0"x4.8"x1.1"(12.7x12.2x2.7 cm)  
Combined output all ports: 100W

PORTS & POWER

AC PORT

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

USB-C

PD enabled bidirectional charging  
Input: 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=3A, 18W Max  
Output: 5V=3A, 9V=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

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

DC PORT

Bidirectional Input/output charging  
Input: 5~25V, up to 3A, 18W max  
Output: 5~25V, up to 5A, 100W max

WIRELESS CHARGING

Output: 10W Max

CAPACITY

6 cells, 71Wh (+/- 5%)



Li-ion



MADE IN CHINA

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Product specifications are subject to change without notice or liability, whether to improve reliability, function, design or for any other reason.

# TROUBLESHOOTING

## How to get in contact with us

If your Power Station or portable charger encounter any technical problems or if you have any inquiries about your Power Station please contact us via:

✉ support@omnipower.co

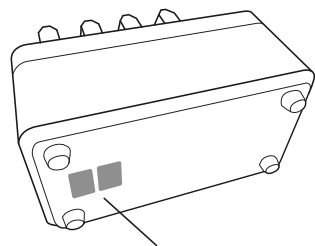
Before getting in contact with us, please make sure to prepare the information below so that we can give the best service and track your inquiry accordingly.

- The Station PI Address
- The Station Serial Number
- The Portable 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.



PI Address and Serial Number

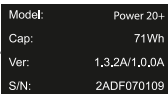
### Portable Charger:

Each Portable Charger is engraved with a Serial Number located at the back side.



Serial Number

You can also find the Serial Number of each Portable Charger in the About section of the menu.



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.



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[www.omnicharge.co](http://www.omnicharge.co)