



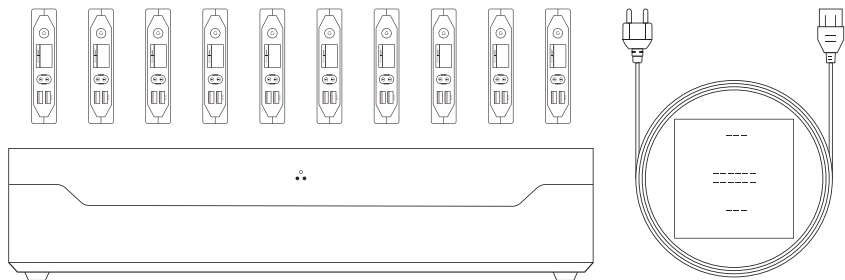
# **Omni Power Station User Manual**

## ***POWER YOUR NEXT ADVENTURE***

For more information visit our **support** page at [www.omnicharge.co/support](http://www.omnicharge.co/support)

# WHATS IN THE BOX?

1. 5 or 10 Omni 20+
2. Omnicheck Power Station
3. AC Power Cable
4. User Manual



## DEPLOYMENT

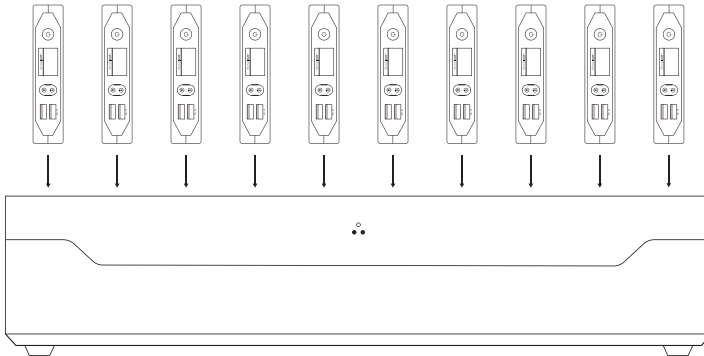
Here are some deployment tips to help optimize the usage of your power station:

1. Make sure the Power Station is in a highly visible location. This will allow your users to easily borrow and return the chargers.
2. If you are utilizing the Smart Center, make sure the power station either has access to ethernet, or a strong wifi connection.
3. Effectively communicating the availability of the Power Station will help drive higher usage.

# POWER STATION SETUP

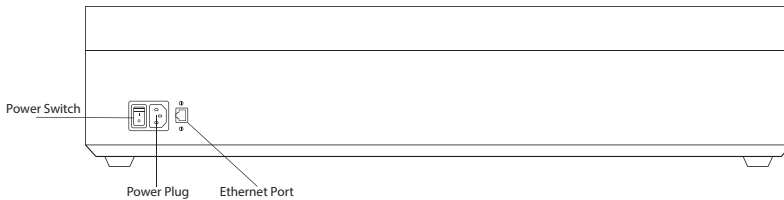
## Step 1:

Place the Omnicharges into the open bays with the AC port facing upwards.



## Step 2:

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

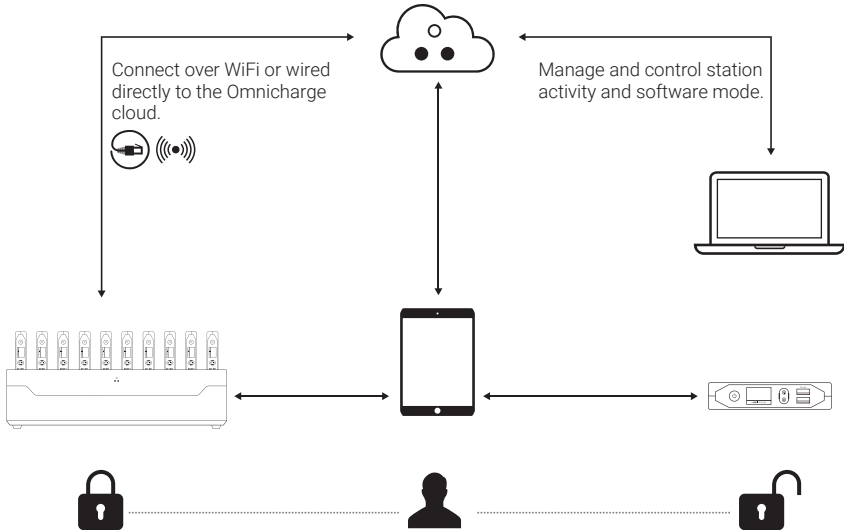


For more information visit: [www.omnicharge.co/power-station-setup](http://www.omnicharge.co/power-station-setup)

# OMNI CLOUD SOFTWARE

The Omnicharge Power Station is built on a powerful software platform allowing you to seamlessly manage and control all your Powerstations from the same dashboard.

For more information visit: [www.https://www.omnicharge.co/power-station/](https://www.omnicharge.co/power-station/)



# TECHNICAL SPECIFICATIONS

## GENERAL

Product Name: Omnicharge 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)

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## INPUT

100V - 240V~, 50/60Hz, up to 10A

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## OUTPUT

24V=2A (per charging bay)

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## OPERATING ENVIRONMENT

Temperature 0°C-40°C

Humidity 30-70%

Altitude ≤2000m

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# STORING YOUR POWER STATION

**If you are going to temporarily store your power station, cut off the power and store it in a dry location.**

**Storage temperature:** 0°C-40°C

# **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 and installed Omnicharges. 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, 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**

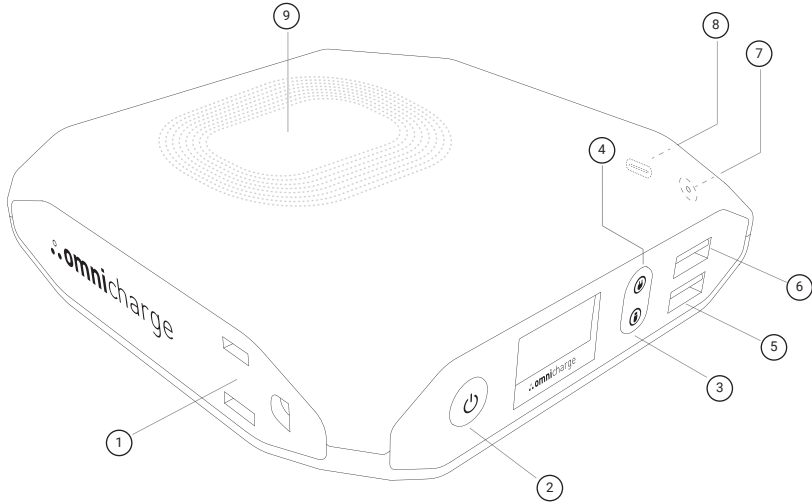
The built-in communication module exchanges data with both the cloud and terminal equipment. The equipment operates at in the 2402Mhz to 2480Mhz frequency band(s). Maximum Wi-Fi power transmitted in the operating frequency is +17.9dBm. Maximum bluetooth power transmitted is +3.9dBm.

**Omni 20+**  
**USER MANUAL**



# PORTS AND BUTTONS

**Note:** For optimal wireless charging, place phone horizontally towards the back of the Omnicharge.



1. AC Outlet
2. Power and Menu Button
3. USB Button
4. AC Outlet Button

5. Quick Charge USB (QC 3.0 Compatible)
6. 5V/3A USB-A Port
7. DC Input/Output (5.5 x 2.1mm Barrel Port)
8. USB-C Input/Output
9. Wireless Charging

# BUTTON FUNCTIONS

## PRIMARY CONTROLS



- Long press to power on
- Long press to power off



- On/Off AC Outlet
- On/Off USB Ports

## MENU CONTROLS



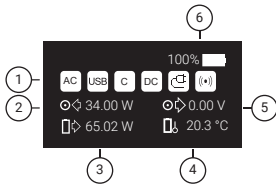
- Double press to enter the menu
- Quick press to select



- Move Up
- Move Down

# 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

*Note: When you are pass-through charging, the battery output field will show a lower value and can even show 0W output, since the output field is showing how much power is output from the battery and not how much is output from the port.*

# SCREEN ICONS



## AC OUTPUT

AC outlet is activated.



## HVDC OUTPUT

HVDC (high voltage DC) is activated.



## USB-C OUTPUT

60W USB-C output is activated.



## ADJUSTABLE DC OUTPUT

Adjustable 5V-25V DC output is activated.



## LOW TEMPERATURE PROTECTION

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



## LOW POWER PROTECTION (ONLY DURING PASS-THROUGH)

Occurs when outgoing power is higher than incoming power and battery is empty. Omnicharge will cut off the outgoing power until a sufficient battery level has been reached.



## OVERPOWER PROTECTION

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



## 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 36V limit. Input charging circuit is shut off.



## USB OUTPUT

USB ports are turned on.



## CHARGING INPUT

Your Omnicharge is being charged.



## OPTIMAL CHARGING

Charging at maximum power.



## SOLAR CHARGING

Charging from solar power.



## Wireless Charging

Wireless charging is active.

# MENU NAVIGATION

## 1. DC OUT

Turn on DC output and set the voltage and amperage.

## 2. WALL SOCKET

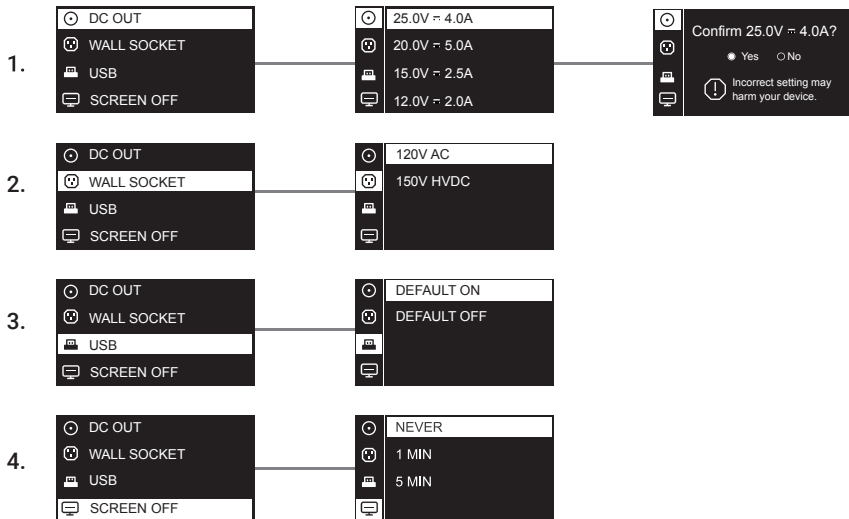
Choose whether the AC outlet will output 120V AC or 150V HVDC

## 3. USB

Choose whether your USB-A ports are on or off when you turn on your Omnicharge. The default setting is on.

## 4. SCREEN OFF TIMER

Set the screen auto shut-off time here. The default setting is 5 min.



# MENU NAVIGATION

## 5. AUTO SHUT DOWN

Set the power auto shut-off time here. The default setting is 5 min.

## 6. TEMPERATURE

Choose whether your 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. ABOUT

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

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# AC OUTLET

Max output power: 100W

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

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



## Note:

Only choose 150V HVDC if you are using a switch mode power supply, such as a laptop's AC power adapter. Check our [support](http://www.omnicharge.co) page at [www.omnicharge.co](http://www.omnicharge.co) for more detailed information.

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

 120V AC output

 150V HVDC output



or



3. Power any device.



Laptop



TV



Drone



DSLR



Projector



And more

# DC OUTPUT

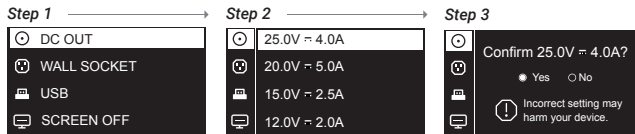
5V - 25V with 0.1V Accuracy, up to 5A (100W max)

The DC output feature can directly charge your laptop without needing your laptop charger.

**Warning:** Before using DC Output make sure you know the correct voltage for your laptop. **Using the wrong voltage can damage your device.**

**Note:** For more information visit our [support page](http://www.omnicharge.co/support) at [www.omnicharge.co/support](http://www.omnicharge.co/support)

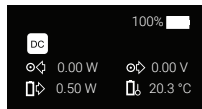
Set voltage and amperage through the menu



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

Once active, the DC icon will appear.

**DC** Adjustable DC output



Power your device through the DC port.

DC to Surface Cable

DC to MagSafe 2 Cable



You can purchase DC cables from our website. For more information about available accessories, please visit [www.omnicharge.co/products](http://www.omnicharge.co/products)

# USB-C PORT

USB-C port max output: 60W

The USB-C port is plug-and-play. Plug your USB-C device into the USB-C port to start charging

**Note:** *If your USB-C output does not start charging, try to reconnect the USB-C cable.*

Power any USB-C device.



Action Camera



Nintendo Switch



Smartphone



Tablet



Laptop



And more

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# RECHARGING FROM THE USB-C PORT

USB-C port max input: 45W

Fully recharge in 3 hours

Plug in a USB-C wall charger and it will start recharging the Omni 20+.

**Note:** *If the Omnicheck does not detect incoming power, try to plug in your USB-C charger while the Omnicheck is turned off. Once charging has started, you can power on the Omnicheck to utilize pass-through charging.*



# RAPID-CHARGING USB PORTS

USB Port 1: 5V/3A, USB Port 2: QC 3.0

1. Choose whether the USB output is on or off by default.



## RECHARGING FROM THE BARREL PORT

DC Input 4.5V-36V, Up to 3A (2W - 45W)

### Charging your Omnicar

Use the included USB charging cable to recharge your Omnicar. A fast charger is included on certain models and can also be purchased separately.

*Note: Make sure the output voltage of your adapter falls within 4.5V - 36V range. The Omni 20+ only accepts 5.5 x 2.1mm barrel plugs.*



AC wall charger  
3 hours



USB sources  
5-7 hours



Solar (up to 45W)  
3-6 hours



Car power port (12V)  
3 hours



Laptop adapter  
3 hours

# TECHNICAL SPECIFICATIONS

## GENERAL

Weight: 1.35 lbs (611 g)

Dimension: 5.0"x 4.8"x 1.1"(12.7 x 12.2 x 2.7 cm)

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## USB-C

Bidirectional Input/output charging

Input: USB-PD, 5V~20V, up to 3A, 45W max

Output: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A, up to 3A, 60W max

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## 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

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## DC Port

Bidirectional Input/output charging

Input: 4.5~36V, up to 3A, 45W max

Output: 5~36V, up to 5A, 100W max

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## AC PORT

120V AC, 60Hz, 100W max US version

230V AC, 50Hz, 100W max EU version

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## WIRELESS CHARGING

Output: 10W

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## CAPACITY

6 cells, 70Wh max at 3.6V

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## OPERATING ENVIRONMENT

Temperature 0 ~40°C

Humidity 30-70%

Altitude ≤2000m

***THANK YOU***

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

# **CUSTOMER SUPPORT**

All Omnicharge products have gone through quality inspection. If you find your Omnicharge or any Omnicharge accessory is experiencing or demonstrating any abnormal behavior, immediately stop all product use and contact us at **[support@omnicharge.co](mailto:support@omnicharge.co)**.

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# **THANK YOU**

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