



## omnicharge Omni Ultimate User Manual

[Home](#) » [omnicharge](#) » omnicharge Omni Ultimate User Manual 



Omni Ultimate  
User Manual

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

### POWER YOUR NEXT ADVENTURE

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



WARNING

### 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. Omnicharge can be damaged if dropped, burned, punctured, crushed, exposed to heat or moisture or if it comes in contact with liquid. Do not use a damaged Omnicharge as it may cause injury.

#### 2. Shock or Fire Hazard

This Omnicharge generates 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

#### 3. DC Output

Improper use of DC Output may harm your device. Consult with your device manufacturer to check the designated voltage before use.

#### 4. 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.

## 5. Recharging

The Omnicharge needs to be recharged within 7 days of purchase and every 6 months to maintain optimal battery health. Failure to do this can cause the battery to over-deplete and will not be covered by warranty.

**Any manipulation to the unit or its components will void all warranties**



**Li-ion**



**Li-ion**

### Contents

- 1 BEFORE USING
- 2 PORTS AND BUTTONS
- 3 BUTTON FUNCTIONS
- 4 SCREEN
- 5 MENU NAVIGATION
- 6 AC OUTLET
- 7 DC OUTPUT
- 8 TECHNICAL SPECIFICATION
- 9 Documents / Resources
  - 9.1 References
- 10 Related Posts

## BEFORE USING

### Calibrate the battery

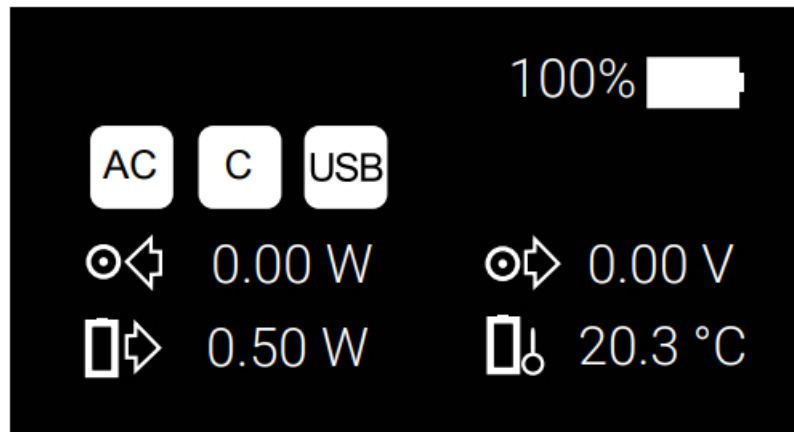
To make sure the battery reading is correct, please calibrate the Omnicharge battery when you first receive the product and periodically in the future.

**It's easy to do. Follow these steps:**

1. Fully discharge Omnicharge until the screen turns off. Press the Power Button and you should see an empty battery icon on the screen.

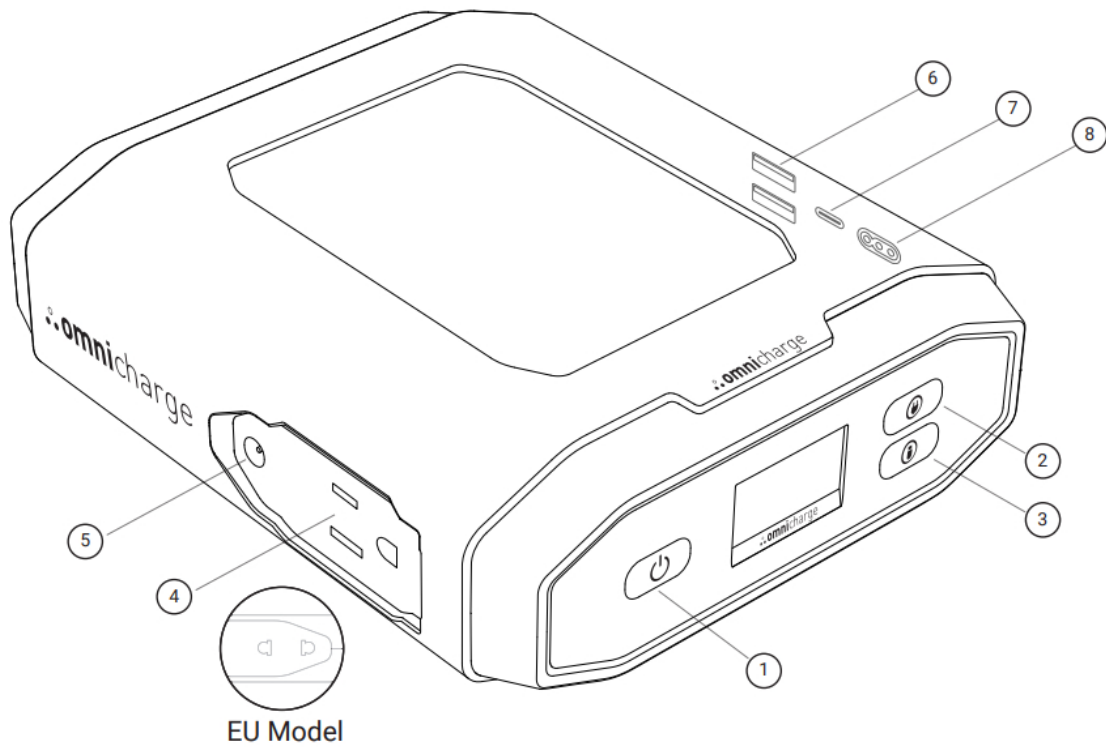


2. Fully charge your Omnicharge to 100% to finish the calibration.







**Note:** The Omniccharge battery needs to be recharged 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.

## PORTS AND BUTTONS



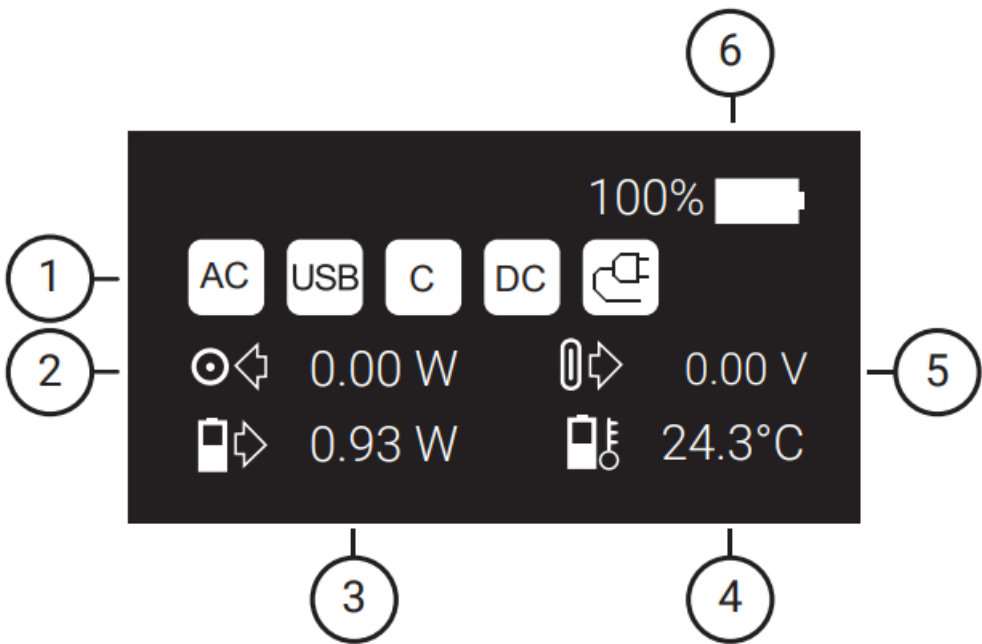
1. Power and Menu Button	5. DC Input Port
2. AC Outlet Button/Move Up	6. USB-A Ports
3. DC Outlet Button/ Move Down	7. USB-C Input / Output Por
4. AC Outlet	8. DC Output Port

## BUTTON FUNCTIONS

	<ul style="list-style-type: none"><li>• Long press to power on</li><li>• Quick press to turn screen display on/off</li></ul>		<ul style="list-style-type: none"><li>• On/Off AC outlet</li><li>• Quick press DC out settings</li><li>• Long press to output the last set output value directly</li></ul>
	<ul style="list-style-type: none"><li>• Double press to enter the menu</li><li>• Quick press to select</li></ul>		<ul style="list-style-type: none"><li>• Move Up</li><li>• Move Down</li></ul>













SCREEN

OLED screen with real-time metrics





1. Status Icons	4. Battery Temperature
2. Total Input Wattage	5. USB-C/Barrel DC Output Voltage
3. Total Output Wattage from the Battery	6. Battery Percentage Remaining

SCREEN ICONS

	AC OUTPUT AC outlet is activated		OVERPOWER PROTECTION Device is drawing too much power. Omnicharge will limit or cut off the output power.
	USB OUTPUT USB ports are turned on.		OVERHEATING PROTECTION Battery temperature is too high. Omnicharge will limit or cut off its input and output power.
	USB-C OUTPUT 60W USB-C output is activate		OVERVOLTAGE PROTECTION Barrel input voltage exceeds the 32 V limit. Input charging circuit is shut off.
	ADJUSTABLE DC OUTPUT Adjustable 5V-60V DC output is activated.		CHARGING INPUT Your Omnicharge is being charged.
	LOW-TEMPERATURE PROTECTION The battery's temperature is too low and the charging circuit is shut off.		OPTIMAL CHARGING Charging at maximum power.
	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.		SOLAR CHARGING Charging from solar power.

## MENU NAVIGATION

	While the screen is on double press the power button to enter the menu
	When in the menu, navigate up and down using the buttons on the right of the screen. Use the power button to enter the selected menu item.

### 1. DC OUT

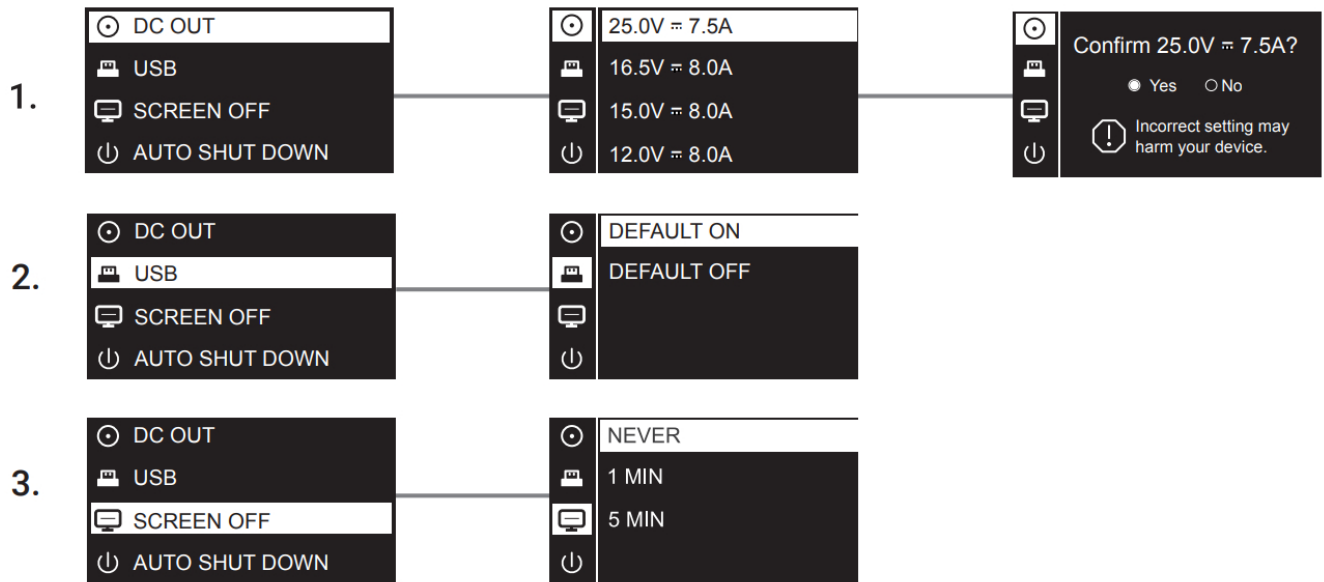
Turn on DC output and set the voltage and amperage.

### 2. USB

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

### 3. 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

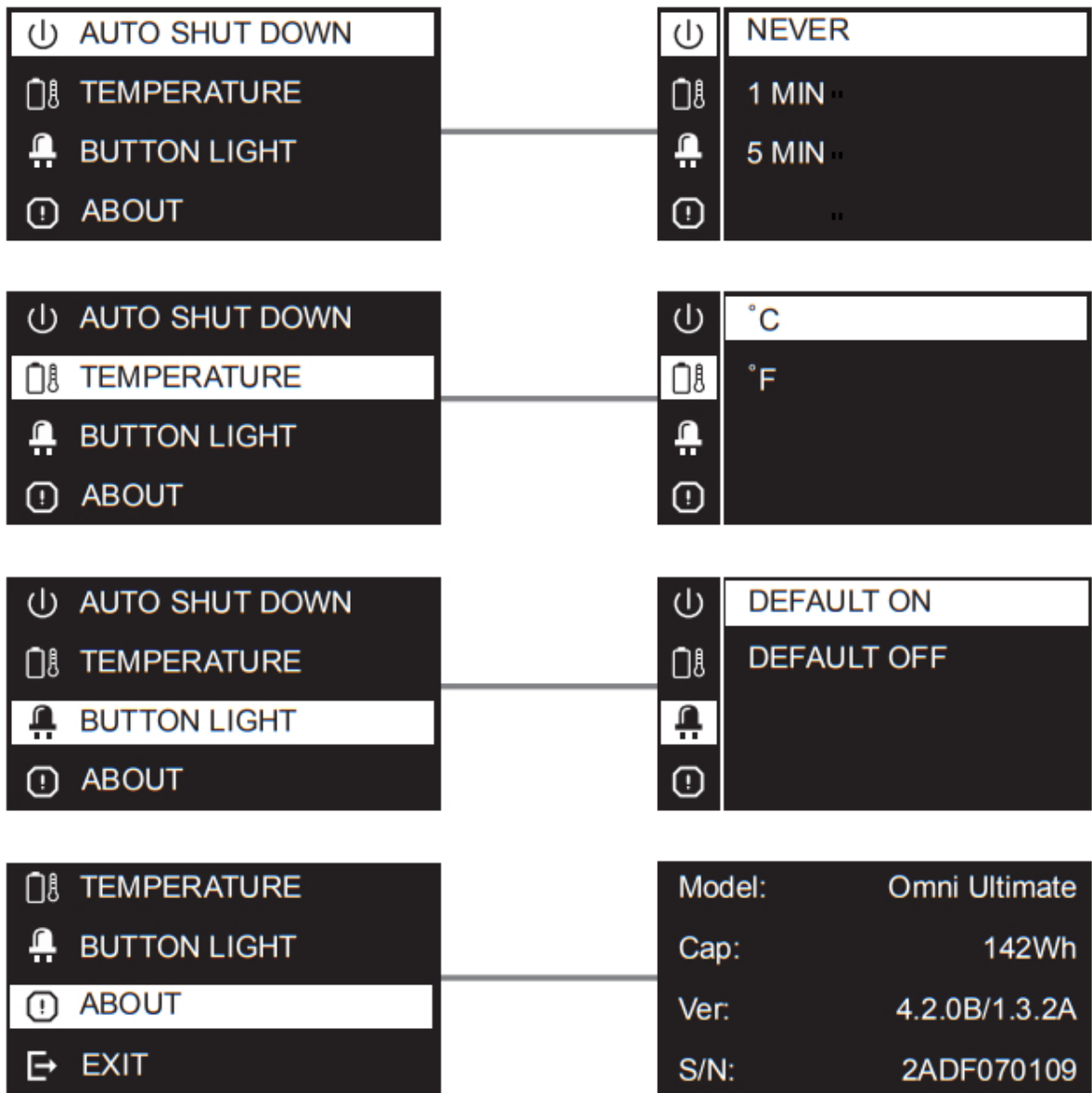
Choose whether your temperature is displayed in Celcius or Fahrenheit

### 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.

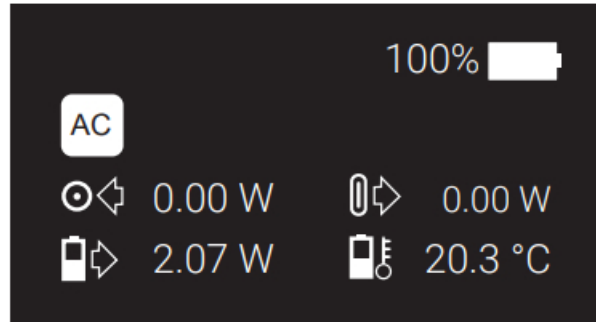
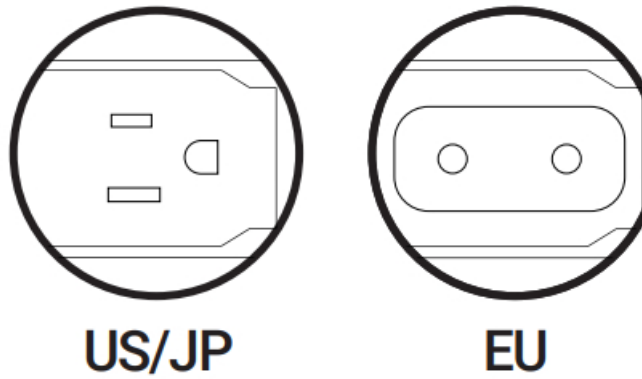


### AC OUTLET

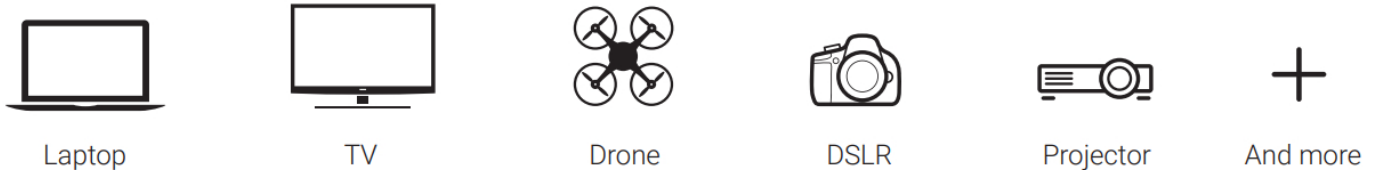
**Max output power: 120W**

1. Quick press AC Output Button to turn the AC outlet on/off
2. The AC icon should appear on the screen

	AC 120V/230V AC output
-------------------------------------------------------------------------------------	------------------------



### Power any device



Note: Due to the high power pure sinewave AC output, you might experience some electrical interference on the USB-A and USB-C ports when simultaneously outputting from the AC outlet.

### DC OUTPUT

**5V – 60V with 0.1V/A Accuracy, up to 8A (150W max)**

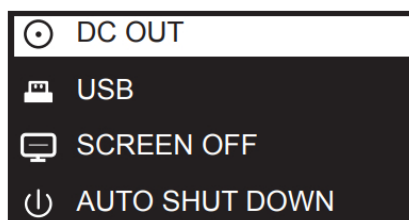


The DC output feature can directly charge your laptop without needing your laptop charger. Warning: Before using DC Output make sure you know the correct voltage for your laptop. Using the wrong voltage can damage your device.

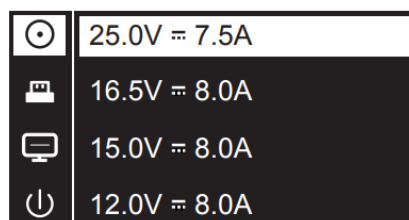
**Note:** For more information visit our support page at [www.omnicharge.co/support](http://www.omnicharge.co/support)

Set the voltage and amperage through the menu (You can also click the DC Output Button to jump to Step 2)

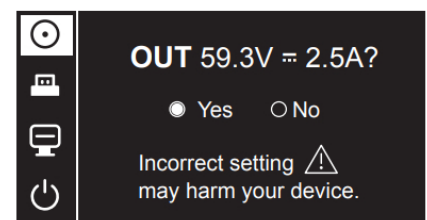
#### Step 2



#### Step 2



#### Step 2

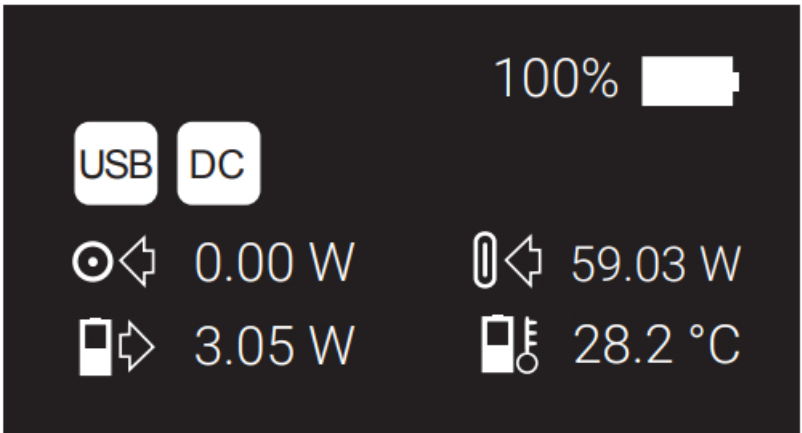




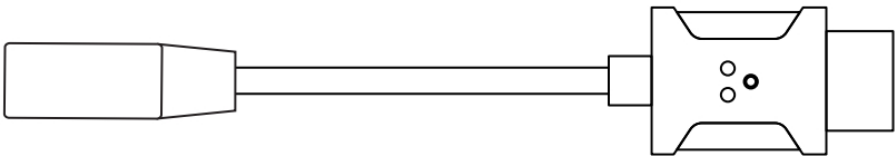
Omnicharge keeps 4 voltage presets. You can press and hold the power button while selecting a preset to customize the voltage and amperage.

DC icon will appear on the screen

**DC** Adjustable DC output

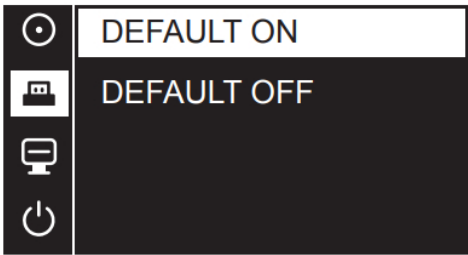
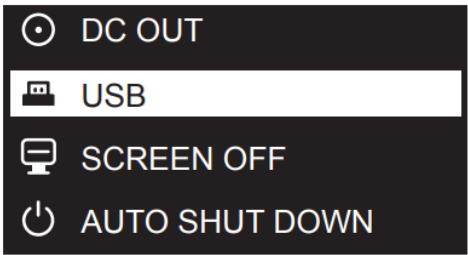


Power your device through the DC port (MR30)



USB-A PORTS

5V=3A, 9V=2A, 12V=1.5A QC3.0 compatible

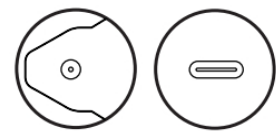


<p><b>USB-C INPUT/OUTPUT PORT</b> 5V, 9V, 12V, 15V, 20V, up to 3A 60W max</p>	
-----------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

## THE OMNICHARGE CAN BE RECHARGED IN A VARIETY OF WAYS

DC Input 5-25V, 4.5A max, 90W max

USB-C Input 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=3A, 60W max



### Charging from the Wall

Use the included AC wall charger, or other power adapters like your laptop charger to recharge your Omniccharge.

Note: Make sure the output voltage of your adapter falls within the 5V – 25V range.

The Omni Ultimate can accept 5.5 x 2.5 mm barrel plugs.

## TECHNICAL SPECIFICATION

### GENERAL

Weight: 3.08 lbs (1.4 Kg)

Dimension: 6.6"x 5.7"x 2.1"(167.5 x 145 x 54 mm)

### USB-C

Bidirectional Input/output charging

Input: USB-PD, 5V~20V, up to 3A, 60W max

Output: 5V=3A=9V=3A=12V=3A=15V=3A=20V=3A, up to 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 INPUT

Input: 5~25V, up to 4.5A, 90W max

### DC OUTPUT

Output: 5~60V, up to 5A, 150W max

### AC PORT

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

230V AC, 50Hz, 120W max EU version

### CAPACITY

12 cells, 38400 mAh, 142Wh max at 3.7V

### OPERATING ENVIRONMENT

Temperature 0°C-40°C

Humidity 30-70%

Altitude ≤2000m

### MADE IN CHINA

© 2021 Omniccharge.

∞.omni is a trademark of Omniccharge Inc.





THANK YOU

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


### CUSTOMER SUPPORT

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


### FOLLOW US

	<a href="https://www.facebook.com/omnicharge">https://www.facebook.com/omnicharge</a>
	<a href="https://www.instagram.com/omnicharge">https://www.instagram.com/omnicharge</a>
	<a href="https://www.youtube.com/c/omnicharge">https://www.youtube.com/c/omnicharge</a>
	<a href="https://twitter.com/omni_charge">https://twitter.com/omni_charge</a>






© 2021 Omniccharge.

 is a trademark of Omniccharge Inc.

## Documents / Resources

	<a href="#">omniccharge Omni Ultimate</a> [pdf] User Manual Omni Ultimate
------------------------------------------------------------------------------------	------------------------------------------------------------------------------

## References

-  [Laptop Power Banks for Mobile Professionals | Omniccharge](#)
-  [twitter.com/omni\\_charge](https://twitter.com/omni_charge)
-  [Omniccharge - Powering Professionals On The Go - Home](#)
-  [Login • Instagram](#)
-  [Omniccharge - YouTube](#)