omnicharge™

Omni Ultimate
User Manual

POWER YOUR NEXT ADVENTURE

For more information visit our ***support*** page at www.omnicharge.co
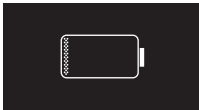
BEFORE USING
Calibrate the battery

To make sure the battery reading is correct, please calibrate the Omnicharge battery when you first receive the product and periodically in the future.
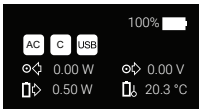
It's easy to do. Follow these steps:

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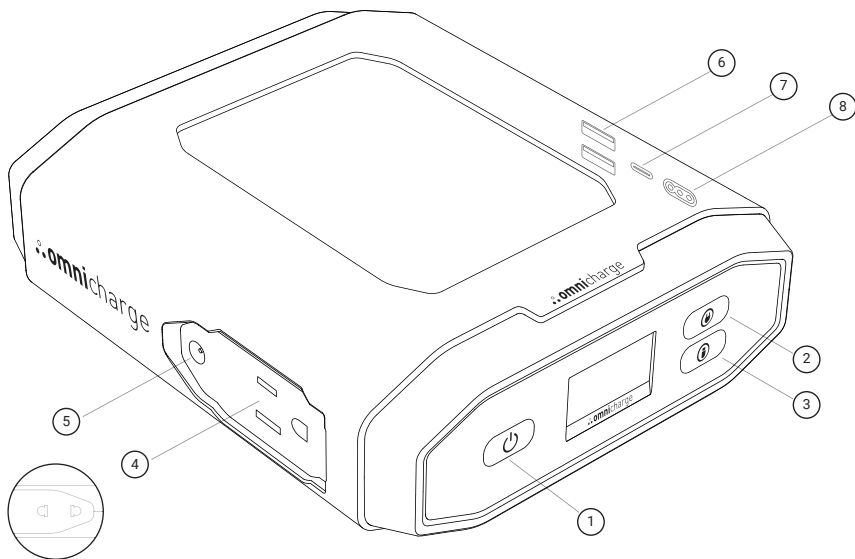

2. Fully charge your Omnicharge to 100% to finish the calibration.

Note: The Omnicharge 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

EU Model

1. Power and Menu Button
2. AC Outlet Button/Move Up
3. DC Outlet Button/ Move Down
4. AC Outlet

5. DC Input Port
6. USB-A Ports
7. USB-C Input / Output Port
8. DC Output Port

BUTTON FUNCTIONS

MAIN CONTROLS

(ᵕ) • Long press to power on
    • Quick press to turn screen display on/off

(ᵕ) • On/Off AC outlet
(ᵢ) • DC out settings
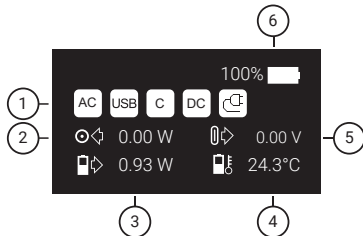
MENU CONTROLS

(ᵕ) • Double press to enter the menu
    • Quick press to select

(ᵕ) • Move Up
(ᵢ) • Move Down

SCREEN
OLED screen with real time metrics

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

SCREEN ICONS

AC OUTPUT
AC outlet is activated.

CHARGING INPUT
Your Omnicharge is being charged.

USB OUTPUT
USB ports are turned on.

OPTIMAL CHARGING
Charging at maximum power.

USB-C OUTPUT
60W USB-C output is activated.

SOLAR CHARGING
Charging from solar power.

ADJUSTABLE DC OUTPUT
Adjustable 5V-60V DC output is activated.

LOW TEMPERATURE PROTECTION
Battery's temperature is too low and 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 32V limit. Input charging circuit is shut off.

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.*

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1. **DC OUT**
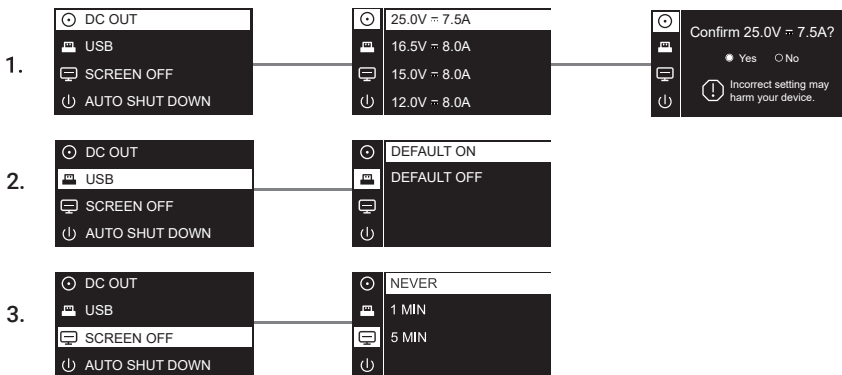   Turn on DC output and set the voltage and amperage.

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.

1.

⊙ DC OUT
💻 USB
🖵 SCREEN OFF
⏻ AUTO SHUT DOWN

⊙ 25.0V ⎓ 7.5A
💻 16.5V ⎓ 8.0A
🖵 15.0V ⎓ 8.0A
⏻ 12.0V ⎓ 8.0A

⊙ Confirm 25.0V ⎓ 7.5A?
💻 ● Yes   ○ No
🖵 ⚠ Incorrect setting may harm your device.
⏻

2.

⊙ DC OUT
💻 USB
🖵 SCREEN OFF
⏻ AUTO SHUT DOWN

⊙ DEFAULT ON
💻 DEFAULT OFF
🖵
⏻

3.

⊙ DC OUT
💻 USB
🖵 SCREEN OFF
⏻ AUTO SHUT DOWN

⊙ NEVER
💻 1 MIN
🖵 5 MIN
⏻

MENU NAVIGATION

5. AUTO SHUT DOWN
Set the power auto shut-off time here. The default setting is 5 min.
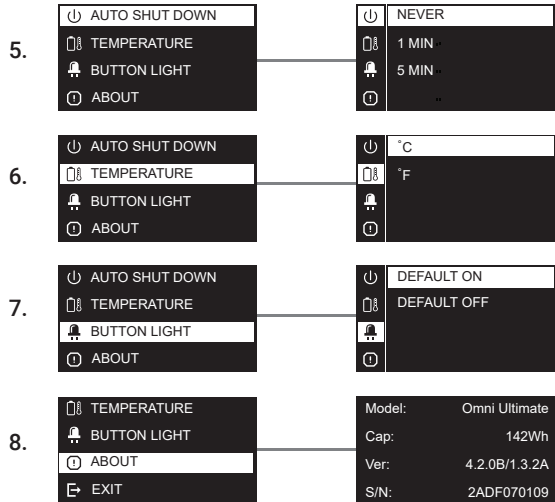
6. TEMPERATURE
Choose whether your temperature is displayed in celcius or fahrenheit

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.

5.

AUTO SHUT DOWN	NEVER
TEMPERATURE	1 MIN
BUTTON LIGHT	5 MIN
ABOUT	

6.

AUTO SHUT DOWN	˚C
TEMPERATURE	˚F
BUTTON LIGHT	
ABOUT	

7.

AUTO SHUT DOWN	DEFAULT ON
TEMPERATURE	DEFAULT OFF
BUTTON LIGHT	
ABOUT	

8.

TEMPERATURE	Model:	Omni Ultimate
BUTTON LIGHT	Cap:	142Wh
ABOUT	Ver:	4.2.0B/1.3.2A
EXIT	S/N:	2ADF070109

AC OUTLET

Max output power: 120W

US/JP   EU

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

100%

AC
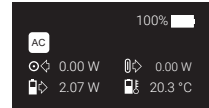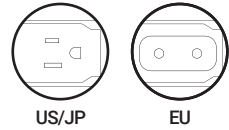
AC **120V/230V AC output**

0.00 W   0.00 W
2.07 W   20.3 °C

....

Power any device

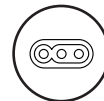| Laptop | TV | Drone | DSLR | Projector | And more |

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.

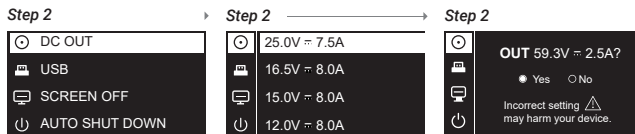# DC OUTPUT
5V - 60V with 0.1V/A Accuracy, up to 8A (150W max)

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*

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*
⊙ DC OUT		⊙ 25.0V ⊤ 7.5A	⊙ **OUT** 59.3V ⊤ 2.5A?
🖳 USB		🖳 16.5V ⊤ 8.0A	🖳 ● Yes ○ No
🖵 SCREEN OFF		🖵 15.0V ⊤ 8.0A	🖵 Incorrect setting ⚠
⏻ AUTO SHUT DOWN		⏻ 12.0V ⊤ 8.0A	⏻ may harm your device.

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**

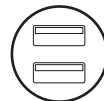|	100% ▬▬
USB DC	
⊙✧ 0.00 W	🔋✧ 59.03 W
🔋✧ 3.05 W	🔋ᵗ 28.2 °C
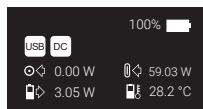
Power your device through the DC port (MR30)
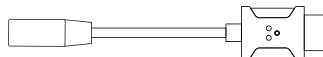
To make the Omni Ultimate compatible with our older 5.5 x 2.1mm barrel cables, we have included an DC output barrel adapter.

USB-A PORTS
5V/3A, 9V/2A, 12V/1.5A QC3.0 compatible

1. Choose whether the USB output is on or off when you turn on your Omnicharge

⊙ DC OUT		⊙ DEFAULT ON
⊟ USB	→	⊟ DEFAULT OFF
⊟ SCREEN OFF		⊟
⊙ AUTO SHUT DOWN		⊙

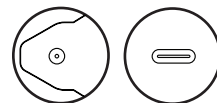# USB-C INPUT/OUTPUT PORT
5V, 9V, 12V, 15V, 20V, up to 3A 60W max

THE OMNICHARGE CAN BE RECHARGED IN A VARIETY OF WAYS
DC Input 5-32V, 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 Omnicharge.

Note: Make sure the output voltage of your adapter falls within 5V - 32V 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
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THANK YOU

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.***

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