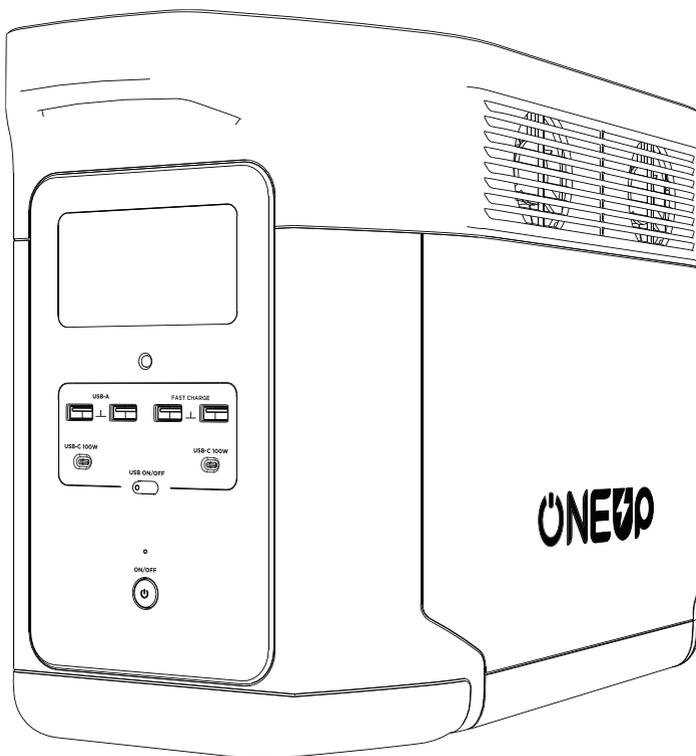




ONEUP 1600 | User Manual



DISCLAIMER

Read the ENTIRE user manual to be familiar with the features of this product before operating. Failure to operate the product correctly may result in damage to the product or personal property and cause serious injury. ONEUP will not assume any legal responsibility. DO NOT use the product with incompatible components or alter the product in any way without following the instructions provided by ONEUP. Otherwise, you cannot get after-sales service from ONEUP under warranty condition. These Safety Guidelines include instructions for safety, operation and maintenance. It is important to read and follow all the instructions and warnings in the user manual before assembly, setup or use the product.

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1. Specifications

General Info

Net Weight	Approximately 48lbs
Dimensions	19.6x9.5x12in
Capacity	1612Wh 50.4V

Output Ports

AC (x6)	Pure Sine Wave, 2000W total (surge 5000W), 120V~ 60Hz
Max Device(s) Power Supported by Smart Inverter Mode	2800W
USB-A (x2)	5V $\overline{=}$ 2.4A 12W Max, per port
USB-A Fast Charge (x2)	5V $\overline{=}$ 2.4A 9V $\overline{=}$ 2A 12V $\overline{=}$ 1.5A 18W Max, per port
USB-C (x2)	5/9/12/15/20V $\overline{=}$ 5A 100W Max, per port
Car Charger	12.6V $\overline{=}$ 10A, 126W Max
DC5521 Output (x2)	12.6V $\overline{=}$ 3A, per port

* Car charger shares power with the DC5521 output port, offering a maximum output of 126W.

Input Ports

AC Charge	X-Stream Fast Charge 1600W Max, 15A
AC Input Voltage	100-120V~ 50Hz/60Hz
Solar Charger	11-100V $\overline{=}$ 10A, 800W Max
Car Charger	Supports 12V/24V Battery, Default 8A

Battery Info

Cell Chemistry	NCM
Cycle Life	500 cycles to 80%+ capacity
Protection	Over Voltage Protection, Overload Protection, Over Temperature Protection, Short Circuit Protection, Low Temperature Protection, Low Voltage Protection, Overcurrent Protection

Environmental Operating Temperature

Optimal Operating Temperature	68°F to 86°F(20°C to 30°C)
Discharge Temperature	-4°F to 113°F (-20°C to 45°C)
Charge Temperature	32°F to 113°F(0°C to 45°C)
Storage Temperature	-4°F to 113°F (-20°C to 45°C) (optimal: 68°F to 86°F [20°C to 30°C])

2. Safety Instructions

2.1 Usage

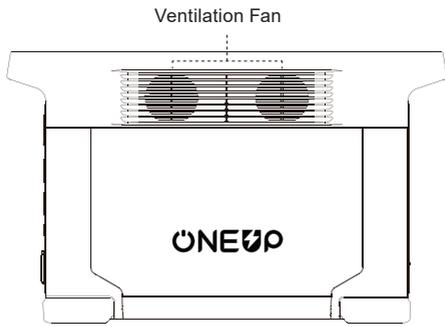
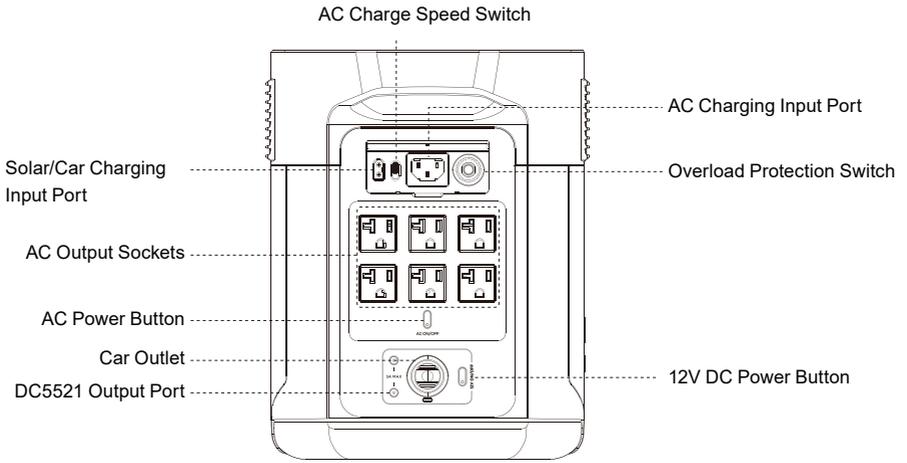
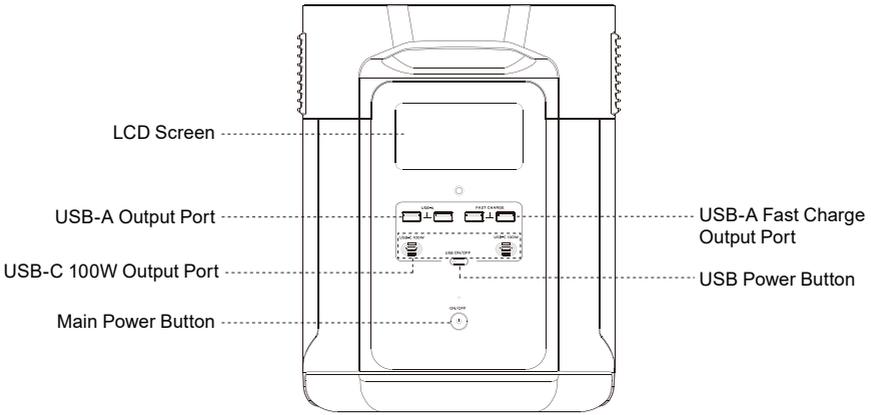
1. Do not use the product near a heat source, such as a fire source or a heating furnace.
2. Avoid contact with any liquid. Do not immerse the product in water or get it wet. Do not use the product in rain or humid environments.
3. Do not use the product in an environment with strong static electricity/magnetic fields.
4. Do not disassemble the product in any way or pierce the product with sharp objects.
5. Avoid using wires or other metal objects that may result in a short circuit.
6. Do not use unofficial components or accessories. If you need to replace any components or accessories, please visit official ONEUP channels to check relevant information.
7. When using the product, please strictly follow the operating environment temperature specified in this user manual. If the temperature is too high, it may result in a fire or explosion; if the temperature is too low, the product performance may be severely reduced, or the product may cease to work.
8. Do not stack any heavy objects on the product.
9. Do not lock the fan forcibly during use or place the product in an unventilated or dusty area.
10. Please avoid impact, falls, or severe vibrations when using the product. In case of a severe external impact, turn off the power supply immediately and stop using the product. Ensure the product is well fastened during transportation to avoid vibrations and impacts.
11. If you accidentally drop the product into water during use, please place it in a safe open area, and stay away from it until it is completely dry. The dried product should not be used again, and should be properly disposed of according to Section 2.2 below. If the product catches fire, we recommend that you use the fire extinguishers in the following order: water or water mist, sand, fire blanket, dry powder, and finally a carbon dioxide fire extinguisher.
12. Use a dry cloth to clean off dirt on the product ports.
13. Rest the product on a flat surface to avoid damages caused by the product falling over. If the product is overturned and severely damaged, turn it off immediately, place the battery in an open area, keep it away from combustible matter and people, and dispose of it in accordance with local laws and regulations.
14. Ensure that the product is kept out of reach of children and pets.
15. Store in dry and well-ventilated place. If exposed or used in a humid environment for a long time (E.g. seaside), we recommend you use a waterproof bag to keep your battery dry.

2.2 Disposal Guide

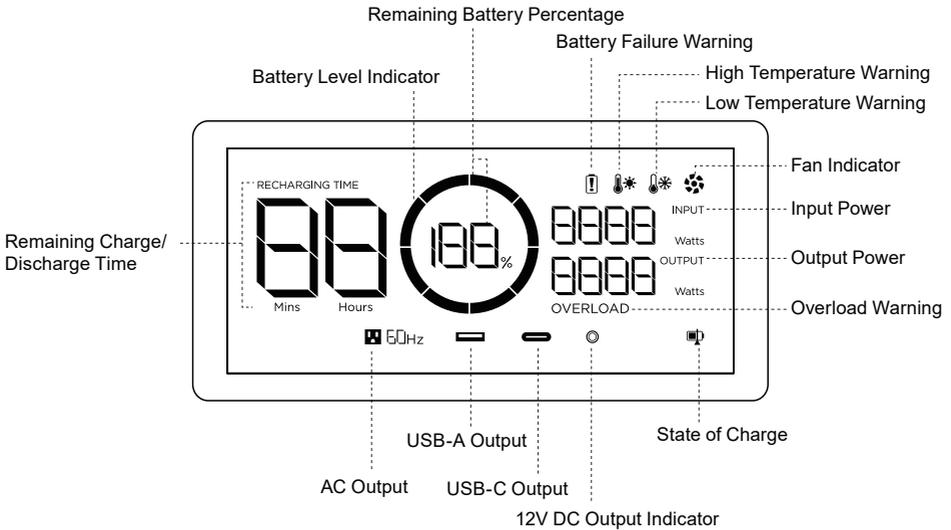
1. If conditions permit, make sure that the battery is fully discharged before disposing it in a designated battery recycling bin. The product contains batteries with potentially dangerous chemicals, so it is strictly prohibited to dispose of it in ordinary trash cans. For more details, please follow the local laws and regulations on battery recycling and disposal.
2. If the battery cannot be fully discharged due to a product failure, please do not dispose of the battery directly in the battery recycling box. In such case, you should contact a professional battery recycling company for further processing.
3. Please dispose of over-discharged batteries that cannot be recharged.

3. Getting Started

3.1 Product Details



3.2 LCD Screen



Battery Level Indicator: The indicator will repeatedly fill while charging. If product is at 0% charge, the indicator will flash to warn you.

* See Section 6 for more troubleshooting steps.

3.3 General Product Usage



Short Press to Turn On



Long Press to Turn Off

Product On, Product Off, LCD Screen On

Short press the Main Power Button to turn on the product; the LCD Screen will light up and the battery level indicator icon will display.

The product enters sleep mode after 5 minutes of idle operation; the LCD Screen will automatically turn off. When the product senses any load change or operations, the LCD Screen will automatically light up. To turn the LCD Screen on or off, please short press the Main Power Button.

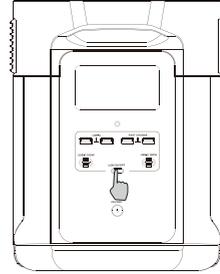
To power off the product, press and hold the Main Power Button.

The default product standby time is 2 hours. With other Power Buttons turned off and no other load access for 2 hours, the product will automatically shut down.

USB Output Port

With the Main Power Button turned on, short press the USB Power Button to use the USB Output Port. Short press the USB Power Button again to turn it off.

With the USB Power Button on, the product will not automatically shut down.

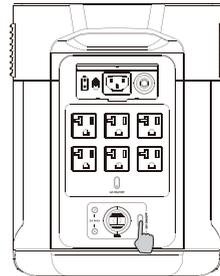


Short Press
USB Power Button

12V DC Output Port

With the Main Power Button turned on, short press the 12V DC Power Button to use the 12V DC Output port. Short press the 12V DC Power Button again to turn it off.

With the 12V DC Power Button on, the product will not automatically shut down.



Short Press
12V DC Power Button

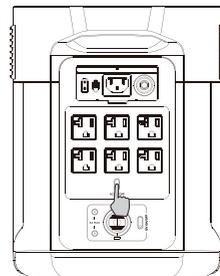
AC Output Port

With the Main Power Button turned on, short press the AC Power Button to use the AC Output ports. Short press the AC Power Button again to turn it off.

The default standby time of the AC Output port is 12 hours.

Without any load access for 12 hours, the AC Power will automatically turn off.

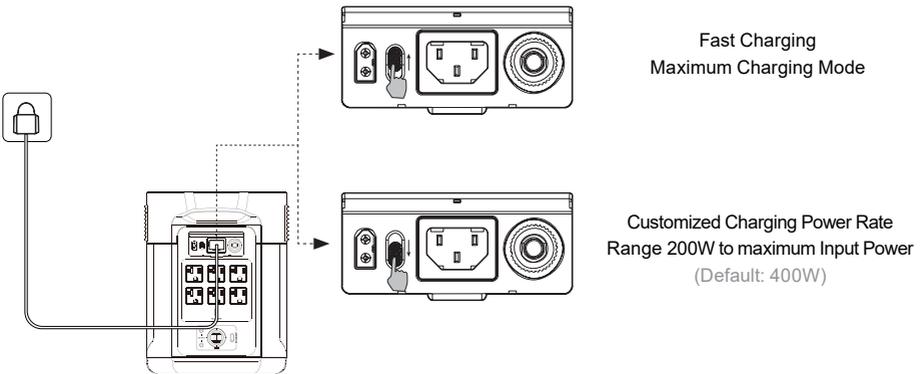
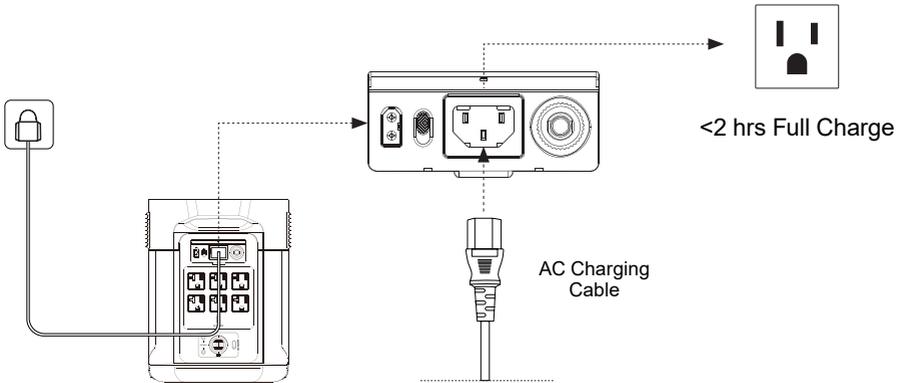
Please turn off AC power button when not in use to save power consumption.



Short Press
AC Power Button

3.4 AC Charging

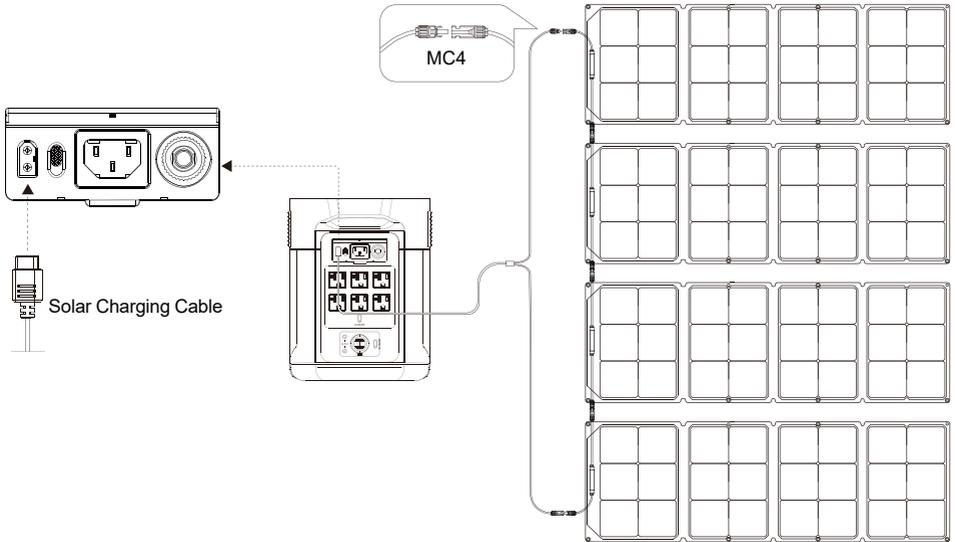
ONEUP's X-Stream fast charge technology is specifically designed for AC charging. You can control the charging power through the AC Charge Speed Switch. When set to the top, you will have the maximum charging speed. When set to the bottom it'll be at your custom speed, which is 400W by default. In case of unusual situations where the AC input current remains higher than 20A, the X-Stream charging input port will initiate a self-protection function, and the Overload Protection Switch on the product will automatically pop up. After confirming that there is no product failure, you can press the Overload Protection Switch to resume charging.



The charging power can be adjusted through the AC Charge Speed Switch on the back of the product. Please use ONEUP AC charging Cable for fast charging. AC Charging Cable should directly plug into 15A(or above) wall outlet. ONEUP takes no responsibilities for any consequences caused by failures to follow instructions, including but not limited to charging with AC charging Cable.

3.5 Solar Charging

Users can connect solar panels in series as shown in the figure to recharge the product. The product supports 11-100V DC input, 10A Max current, and 800W Max charging power.



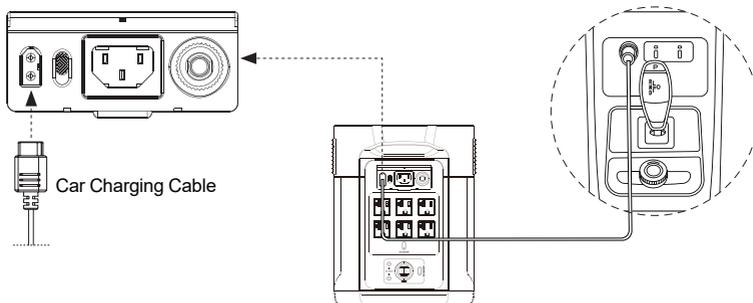
When using a ONEUP solar panel to charge the product, please follow the instructions that come with the solar panel.

Before connecting the solar panel, please ensure that the solar panel's output voltage is within 100V to avoid product damages.

3.6 Car Charging

Users can recharge the product through the Car Charging Input Port. It supports 12V/24V car chargers and an 8A default charging current.

Please charge using the car charger after you've started the car to avoid failure to start due to insufficient car battery. In addition, please make sure that Car Charging Input Port and the Car Charging Cable are in good condition. ONEUP takes no responsibilities for any losses or damages caused by failures to follow instructions.



3.7 Smart Inverter Mode

To avoid operation failure due to overload protection, the Smart Inverter Mode feature will be automatically enabled when the total output exceeds the rated output power, which enables the product to power high wattage appliances at the rated output power.

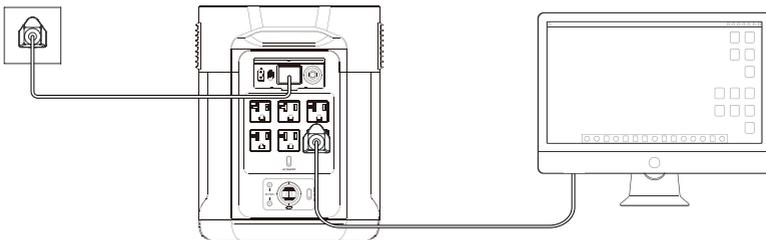
Smart Inverter Mode Tips:

1. Smart Inverter Mode is enabled by default.
2. Smart Inverter Mode is not available when the AC output is turned on in a recharging state (in bypass mode) and when Smart Inverter Mode is disabled.
3. Smart Inverter Mode is not applicable for all electrical appliances; it's incompatible with appliances with strict voltage requirements. Appliances with voltage protection (such as precise instruments) are not supported.

Smart Inverter Mode is more suitable for heating devices. Please conduct your own tests with your devices with Smart Inverter Mode enabled.

3.8 Emergency Power Supply (EPS)

The product supports EPS. When you connect the grid power to the AC Input Port of the product through an AC Charging cable, you can power electrical devices through the AC Output Sockets (AC power will come from the grid and not the power station in this situation). In case of a sudden blackout, the product can automatically switch to the battery powered supply mode within 30ms. As a basic UPS function, this function does not support 0ms switching. Please do not connect the product to any device that requires 0ms UPS, such as data servers and workstations. Please test and confirm the compatibility before using the product. We recommend that you only charge one device at a time and avoid using multiple ones at the same time to avoid overload protection. ONEUP takes no responsibilities for any device failures or data losses caused by failures to follow instructions.



4. FAQs

1. What battery does the product use?

It uses high-quality lithium-ion battery.

2. What devices can the product's AC output port power?

With high rated power and peak power, the product's AC output port can power most household appliances.

Before you use it, we recommend that you confirm the power of the appliances first and ensure the power sum of all loaded appliances is lower than the rated power.

3. How long can the product charge my devices?

The charging time is shown on the product's LCD Screen, which can be used to estimate the charging time of most appliances with stable power usage.

4. How can I know if the product is charging?

When it's charging, the remaining charging time will be shown on the LCD Screen. Meanwhile, the charging indicator icon begins to rotate with the remaining battery percentage and the input power shown on the right of the circle.

5. How to clean the product?

Please gently wipe it with a dry, soft, clean cloth or paper towel.

6. How to store the product?

Before storing, please turn off the product first, and then store it in a dry, ventilated place at room temperature.

Do not place it near water sources. For long-term storage, please discharge the battery to 30% and recharge it to 60% every three months to extend its battery life.

7. Can I bring the product on a plane?

No.

5. Storage & Maintenance

1. Please use or store the product in an environment temperature between 68°F to 86°F (20°C to 30°C) , away from water, heat, and other metal objects.

2. For long-term storage, please discharge the battery to 30% and recharge it to 60% every three months.

3. For safety, please do not store the product in an environment temperature higher than 113°F (45°C) or lower than 14°F (-10°C) for a long time.

4. If the remaining battery is less than 1% after you finish using the product, please recharge it to 60% before storing. If the product is left idle for a long time with severely low battery, irreversible damages may be caused to the battery cell and the product service life will be shortened.

5. If the product has been idle for too long and the battery is severely low, it will enter a deep sleep protection mode. In such case, please charge the product before using it again.

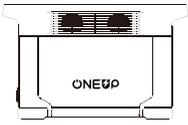
6. Troubleshooting

Indicator		Problem	Solution
	OVERLOAD Icons Flash together	USB-A Overload Protection	Resume normal operation by removing the electrical device connected to the USB-A port.
	OVERLOAD Icons Flash together	USB-C Overload Protection	Resume normal operation by removing the electrical device connected to the USB-C port.
	Icons Flash together	USB-C High Temperature Protection	After the product cools down, it will resume normal operation automatically.
RECHARGING TIME	Icons Flash together	High Temperature Charge Protection	Charging can be resumed automatically after the battery cools down.
	Icons Flash together	High Temperature Discharge Protection	The power supply can be resumed automatically after the battery cools down.
RECHARGING TIME	Icons Flash together	Low Temperature Charge Protection	Charging can be resumed automatically after battery temperature rises above 41°F(5°C).
	Icons Flash together	Low Temperature Discharge Protection	The power supply can be resumed automatically after the battery temperature rises above 10°F(-12°C).
60Hz OVERLOAD	Icons Flash together	AC Output Overload Protection	Normal operation will be resumed automatically after you remove the overloaded device and restart the product. Electrical appliances should be used within rated power. (Refer to Smart Inverter Mode instructions to get more details about power limitations).
60Hz	Icons Flash together	AC High Temperature Protection	Please confirm whether the fan inlet and outlet are blocked, if not, normal operation will be resumed automatically after the product temperature drops.
60Hz	Icons Flash together	AC Low Temperature Protection	Normal operation will be resumed automatically after the product is used at optimum environmental temperatures.
	Icon Flashes	Fan Blockage	Please check if the fan is blocked by foreign materials.
OVERLOAD	Icons Flash together	Car Charger Overload Protection	The product will resume normal operation automatically after you remove the device connected to the car charger.
	Icons Flash together	Car Charger High Temperature Protection	After the product cools down, it will resume normal operation automatically.
	Icon Stays On	Battery Failure	Contact ONEUP Customer Service

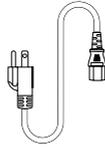
If the Alarm Prompt shows on the product LCD screen during use and does not disappear after a restart, please stop using it immediately (do not try to charge or discharge).

If you require any other assistance, please contact ONEUP Customer Service.

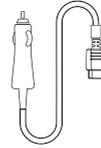
7. What's In the Box



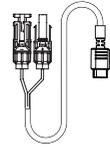
ONEUP 1600



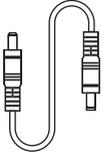
AC Charging Cable



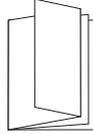
Car Charging Cable



Solar Charging Cable



DC5521 to DC5525 Cable



User Manual &
Warranty Card

8. FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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