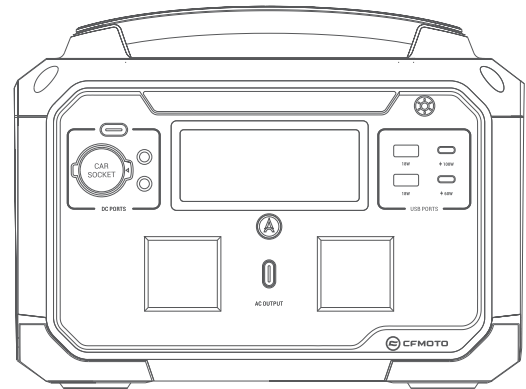


www.ampacepower.com

Ampace Portable Power Station
POWER YOUR LIFE



ANDES 600 PRO

User Manual

First Edition (October 2023)

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Disclaimer

Prior to utilizing this Ampace product, it is crucial to thoroughly read and comprehend this documentation. Once you have acquainted yourself with its contents, securely store it for future reference. Neglecting to operate this product correctly may lead to potential harm to individuals or damage to the product itself. Follow the guidelines outlined in this documentation during product usage. Please be aware that Ampace is not liable for all losses incurred due to the user's failure to adhere to the provided disclaimer and safety instructions. Your safety and the product's optimal performance depend on the compliance with these directives.

Ampace retains the ultimate authority for the final interpretation of this documentation and all associated product-related materials, as permitted by applicable laws and regulations. These documents may be subject to periodic updates, revisions or termination, and such changes may occur without prior notice.

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1 Specification

Product Info	
Model	ANDES 600 PRO
Net Weight	7.6kg/16.8lbs
Dimensions (W*D*H)	285x209x214mm/11.2x8.2x8.4in
Capacity	584Wh 15.2V
APP Control	Yes
Certification	UL, CE, FCC, PSE, RoHS
Home EPS	20ms
LED Light	Flashlight + Mood Light
Charging Temperature	-10°C~45°C (14°F~113°F)
Discharging Temperature	-20°C~45°C (-4°F~113°F) ❶

Output	
AC (*2)	Pure Sine Wave, 600W(1800W Surge) Total, US 120V 60Hz, UK/EU/AU/ZA 220~240V 50Hz
Max Device(s) Power Supported by A-turbo ❷	1,800W for resistive loads
USB-C (*1)	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A, 100W max
USB-C (*1)	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A, 60W max
USB-A (*2)	5V/3A, 9V/2A, 12V/1.5A, 18W max, per port
Car Socket (*1)	12V/10A, 120W max
DC 5521 Output (*2) ❸	12V/10A, 120W max

Input	
AC Charging Input	US 120V 60Hz, UK/EU/AU/ZA 220~240V 50Hz (550W, MAX)
Solar Panel Charging Input	DC 11~30V, 12A (200W max)
Car Charging Input	DC 12V/24V, 8A (96W max)

Battery Info	
Cell Chemistry System	LiFePO ₄ Hybrid System
Cycle Life	2000 cycles
Protection	Low Temperature Protection; Low Voltage Protection; Over-current Protection; Over-load Protection; Over-temperature Protection; Over-voltage Protection; Short Circuit Protection.

- ❶ This product supports a max output power of 600W in temperatures from -20°C to 0°C.
- ❷ Not all electrical appliances with a resistive load under 1800W are compatible. It is unsuitable for appliances that require precise voltage regulation, such as precision instruments. It is better suited for heating devices. This functionality will sustain the device's operation, albeit at a reduced power level compared to the device's rated capacity.
- ❸ The car socket and DC5521 output ports combined deliver a maximum total output of 120W.

2 Safety Instructions

2.1 Usage

1. Do not use the product near heat sources, such as fire or 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 rainy or humid environment.
3. Do not use the product in a strong static/magnetic environment.
4. Do not disassemble the product in any way or pierce with sharp objects.
5. Avoid using wires or other metal objects that may cause short circuit.
6. Do not use any non-Ampace accessories. To replace any accessories, contact Ampace for help.
7. Always follow the operating temperature specified in this document when using the product. If the temperature is too high, serious hazardous situations such as fire or explosion may occur. 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 obstruct the fans with any objects and refrain from positioning the product in dusty or poorly ventilated surroundings.
10. Avoid collision, dropping or severe vibration when using the product. In case of a severe external collision, turn off the power supply immediately and stop using the product. Ensure that the product is well fastened during transportation to avoid vibration and collision.
11. If the product accidentally falls into water, put it in a safe open area until it is completely dry. The dried product is forbidden to be used again, and should be properly recycled or disposed of according to Section 2.2 below. If the product catches fire, it is recommended to use fire extinguishers in the following order: water or water mist, sand, fire blanket, dry powder, and carbon dioxide fire extinguisher.
12. Put the product on a flat surface to prevent it from falling over. If the product is overturned or incurs significant damage, turn it off immediately, relocate it in an open area away from people or flammable materials, and dispose of it in compliance with local laws and regulations.
13. Do not charge this product through the AC/DC output ports to avoid damage to the product.
14. Do not connect the AC Output Port of the product to the grid power.
15. It is not recommended to use this product for medical emergency equipment like Continuous Positive Airway Pressure (CPAP), Extracorporeal Membrane Oxygenation (ECMO), etc. If considering its use with general medical equipment that doesn't require constant monitoring, please consult with your physician, review the equipment manufacturer's usage guidelines, and ensure that the product maintains sufficient charge to power the equipment.
16. While in operation, this product generates a magnetic field that may affect the functioning of certain medical implants and personal medical devices, including pacemakers, cochlear implants, hearing aids, defibrillators. In such instances, we strongly advise consulting your medical device manufacturer for any usage restrictions and maintaining a safe distance from this product.

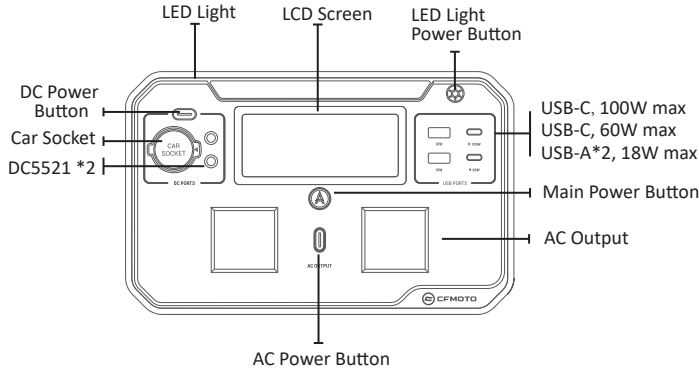
2.2 Disposal

1. If possible, ensure that the battery is fully discharged before disposing of it into a designated battery recycling bin. The product contains batteries with potentially hazardous chemicals, it is forbidden to dispose of it into ordinary waste. For details, follow the local laws and regulations regarding battery recycling and disposal.
2. If the battery cannot be fully discharged due to product failures, do not dispose of the battery directly into the battery recycling bin. Contact Ampace or other professional battery recycling authority for further processing.
3. Dispose of the over-discharged batteries that cannot be recharged.

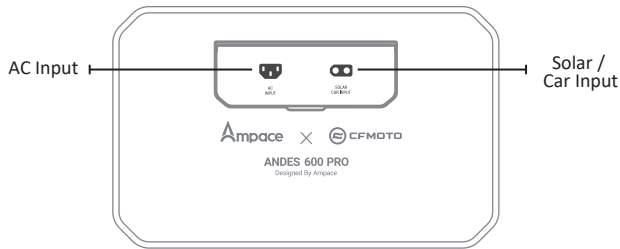
3 Getting Started

3.1 Product Details

Front View

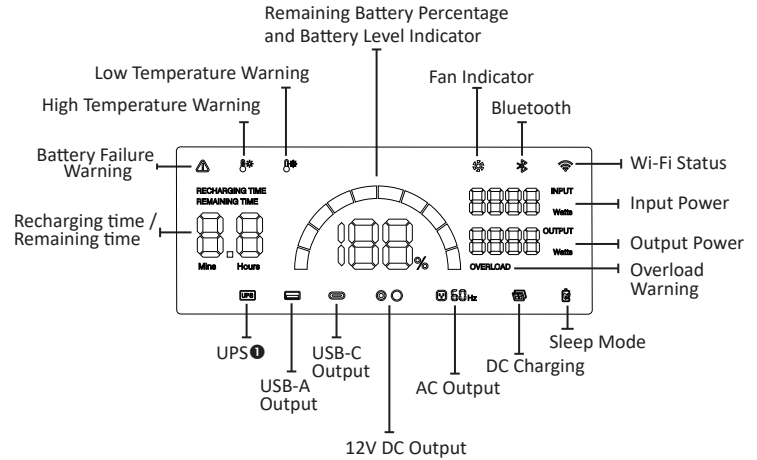


Rear View



LCD Screen

When you press any power button, the LCD screen will light up displaying pertinent information such as charging or discharging status, battery power level, estimated recharging time, remaining charging duration (in minutes or hours), power consumption in watts, and more. It is important to note that if the connected AC device's power requirement is below 18W, this product will not display the output power on the LCD screen.



ⓘ This icon shows “UPS” for easy identification and use. The UPS function is actually EPS function.

3.2 General Product Usage

It is recommended to fully charge the product before using for the first time.

Power on

Press the main power button for 1s to turn on the product. The LCD screen will light up and the battery level indicator will display.

The product enters standby mode after 5 minutes of idle operation, the LCD screen will automatically turn off. When the product senses any load or operation, the LCD screen will automatically light up. To turn the LCD screen on or off, short press the main power button.

Power off

Press and hold the main power button for 3 seconds to turn off the product.

Automatic shutdown

The default standby time is set to 4 hours. If no power buttons or LED light are active and there is no load access for 4 hours, the product will automatically power down. You can adjust the standby time using the Ampace app.

LED light

Press the LED light power button to turn on the LED light. Four modes are supported: weak light, strong light, SOS light, flash. Short press the LED light power button to switch between the four modes. Long press the LED light power button for 3 seconds to turn off the LED light.

12V DC Output Port

When this product is powered on, press the DC power button once to activate the 12V DC output ports, and press the button again to deactivate them.

AC Output Port

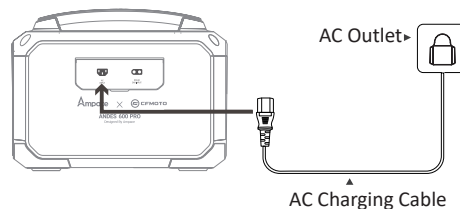
When this product is powered on, press the AC power button once to activate the AC output ports, and press the button again to deactivate them.

Sleep Mode

Activate sleep mode using the Ampace app. In sleep mode, the LED lights are turned off, the LCD screen automatically switches off after 10 seconds, the fan operates at a reduced speed, the AC output power is limited to 400W, and the A-turbo feature is temporarily disabled.

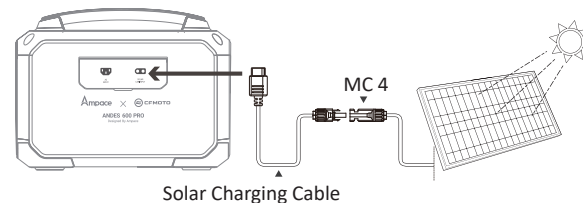
3.3 Charging ANDES 600 PRO

AC Charging: Fastest 1.5 hours, 550W max



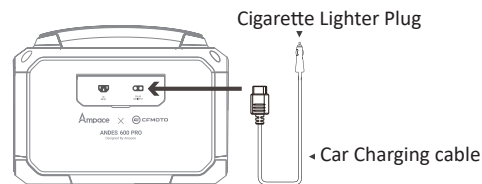
Solar Charging: About 3~6 hours, 200W max

Solar charging cable, MC4 adapter cable and the solar panel are sold separately.



Car charging: About 5 hours

To prevent any potential issues caused by a depleted car battery, it is advisable to use the car charger after the car has been started and always keep the car engine running normally. Furthermore, please verify that both the cigarette lighter in the car outlet and the car charging cable are in proper working condition. Ampace takes no responsibilities for any losses or damages caused by failures to follow the instructions.



3.4 Ampace App

You can control and monitor the product remotely with Ampace app.

Go to <https://ampacepower.com/> or scan the QR code to download the Ampace app.



Note

By using Ampace products, applications and services, you consent to Ampace Term of Use and Privacy Policy.

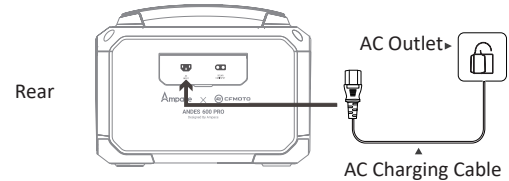
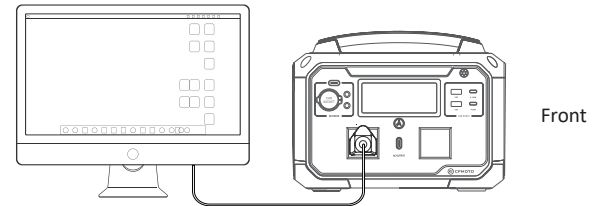
For guidance on connecting the product to the app, refer to the instruction manual of the app.

3.5 Emergency Power Supply

The ANDES 600 PRO features Emergency Power Supply (EPS) capability. When you connect the grid power to the AC Input port using an AC charging cable, you can supply electrical devices through the AC Output sockets. In this scenario, the source of AC power will be the grid rather than the ANDES 600 PRO itself. If there is an abrupt power outage, the ANDES 600 PRO can seamlessly transition to EPS mode in just 20 milliseconds.

Note

As a basic UPS function, this function does not support 0ms switching. Do not connect the product to any device that requires 0ms UPS, such as data servers and workstations. Test and confirm the device compatibility before using the EPS function. It is recommended that you only charge one device at a time and ensure that the used power is less than 600W to avoid overload protection. Ampace takes no responsibilities for any device failures or data losses caused by failures to follow instructions.



1. Q: What type of battery does the product use?

A: This product uses a high-quality lithium-ion battery. The cell chemistry system is LiFePO₄ hybrid system.

2. Q: What device does the AC output port of the product support?

A: The rated power of the AC output port of this product is 600W and the peak power is 1800W, which can supply power to most household appliances, but it is recommended to confirm the power of the appliance before use, and ensure that the sum of the power of all loads is less than the rated power.

3. Q: How to determine the product's power duration?

A: The LCD screen of this product will show the remaining usage time, serving as an estimation of how long the product can power devices when power consumption remains consistent.

4. Q: How to determine whether the product is charging?

A: While charging, the LCD screen will showcase the estimated remaining time until full charge, the charging icon will be illuminated, and the input power will be displayed.

5. Q: How to clean this product?

A: Wipe this product with a dry, soft, clean cloth or tissue.

6. Q: How to store the product?

A: When storing, please turn off this product first, and then store it in a dry, ventilated place at room temperature. Do not place this product near water sources. For long-term storage, it is recommended to charge the battery to 80% every three months to prolong the life of this product.

7. Q: Can I take this product on a plane?

A: No.

8. Q: Is the actual output capacity of the product consistent with the capacity stated in the user manual?

A: The capacity indicated in the user manual is the rated capacity of the battery pack of this product. Since this product has a certain efficiency loss during charging and discharging process, the actual output capacity of the product is lower than the capacity specified in the user manual.

9. Q: Why does the product make a "buzzing" sound when using?









A: This product uses an air cooling system. When the fan is working normally, it will make a slight sound, which is a normal phenomenon.

10. Q: Why is not possible to use the product within the rated output power range?






A: 1). Battery capacity is low and needs to be charged.
2). The device has a peak power demand that exceeds the highest peak power of this product; or its nominal power rating surpasses the actual power output of this product.

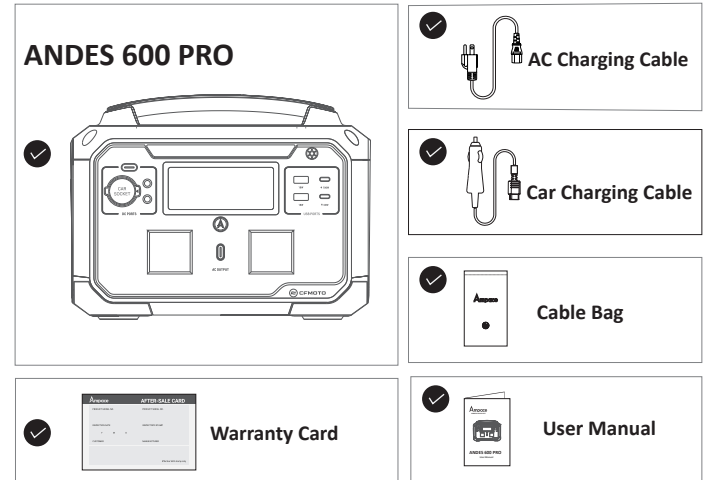
11. Q: Is it possible to charge and discharge at the same time?

A: Yes.

Indicators	Status	Problem	Solution
 OVERLOAD	Flash together	USB-A Overload Protection	Remove the device connected to the USB-A port, the product will then resume the normal operation.
 OVERLOAD	Flash together	USB-C Overload Protection	Remove the device connected to the USB-C port, the product will then resume the normal operation.
 OVERLOAD	Flash together	USB-C High Temperature Protection	After the product cools down, it will resume normal operation automatically.
 OVERLOAD	Flash together	Car Charger Overload Protection	Remove the device connected to the car charger, the product will then resume the normal operation.
 OVERLOAD	Flash together	Car Charger High Temperature Protection	After the product cools down, it will resume normal operation automatically.
 50 Hz OVERLOAD	Flash together	AC Output Overload Protection	Remove the device causing the overload and restart the product, the product will resume the normal operation. Electrical appliances should be used within rated power. (Refer to A-turbo instructions to get more details about power limitations).
 50 Hz	Flash together	AC High Temperature Protection	Check if the fan is blocked. If not, after the product cools down, it will resume normal operation automatically.
 50 Hz	Flash together	AC Low Temperature Protection	After the product is used in the normal environmental temperature, it will resume normal operation automatically.

6 What's in the Box

Indicators	Status	Problem	Solution
 RECHARGING TIME	Flash together	High Temperature Charge Protection	Charging can be resumed automatically after the battery cools down.
 RECHARGING TIME	Flash together	Low Temperature Charge Protection	Charging can be resumed automatically after the battery rises above 5°C.
 RECHARGING TIME	Flash together	High Temperature Discharge Protection	Discharging can be resumed automatically after the battery cools down.
 RECHARGING TIME	Flash together	Low Temperature Discharge Protection	Discharging can be resumed automatically after the battery rises above -10°C.
	Stays on	Battery Failure	Contact the Ampace Service.



ITEMS	QUANTITY
ANDES 600 PRO	1
AC Charging Cable	1
Car Charging Cable	1
Cable Bag	1
User Manual	1
Warranty Card	1

7 Warranty

If purchased through official channels such as Amazon or the Ampace Official Website, the product is eligible for a 36-month warranty.

Ensure that you have a proof of purchase or warranty card when seeking warranty service.

Warranty Period

Within 36 months from the date of purchase, if the product is found to have any inherent quality issues or manufacturing defects, you qualify for a free-of-charge repair.

Note

The standard warranty period is 24 months (2 years). To extend it to 36 months (3 years), you can visit the Ampace website to subscribe and apply for an additional 1-year warranty.

Replacement

If the power station cannot be repaired due to its own defects during the warranty period, we will furnish you with a replacement product that matches the original product's performance. The warranty duration of the replacement product will be the remaining time of the original product's warranty.

The following conditions are not covered by the warranty:

1. Products purchased through unauthorized channels, and not authentic Ampace products;
2. Giveaway and optional accessories;
3. Regular wear and tear to the product's appearance during everyday usage;
4. Misuse, abuse, accidental damage, intentional damage;
5. Unauthorized disassembly and repair by unauthorized maintenance personnel;
6. Issues arising from improper usage and storage, not following the guidelines outlined in Chapter 2 and Chapter 3 of this document;
7. Damage caused by natural disasters such as lightning, earthquakes, tsunamis and other uncontrollable forces;
8. For long-term storage, recharge the product every three months (discharge to 0% first, then recharge to 80%). The product will not be covered by the warranty if it is not charged for more than three months.

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 **Customer Support:**
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 **Official Website**
www.ampacepower.com

