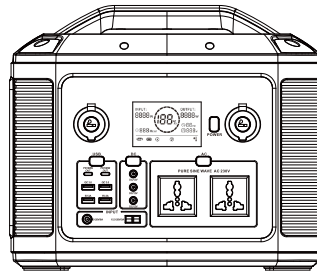
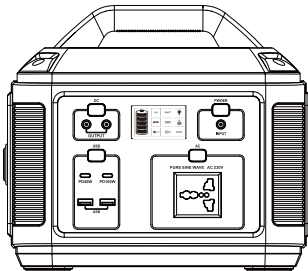
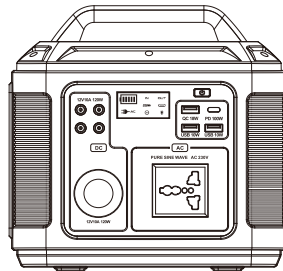
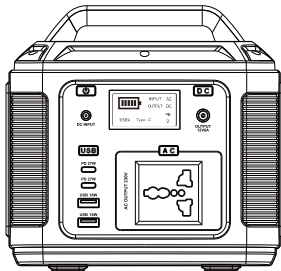


# Portable Power Station

## User Manual



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## 1 ABOUT THIS MANUAL

### 1.1 Purpose

In order to ensure reliable and better service, please pay special attention to the warnings and warning instructions in this manual before installation and use. There are cautious statement reminder for certain conditions of use and practices that may lead to damage to this product or personal injury. Please read all the tips before using this inverter.

Please read this manual carefully for proper use. Especially the details of the "Safety Instructions" before use for safe usage. After reading the user manual, please keep it properly for future reference.

### 1.2 Scope

This manual is intended to help you to use the product properly and does not represent any description of the hardware or software configuration of product. For the configuration, please refer to the contract related to the product (if any) or consult the sellers. The pictures in this manual are for reference only, if any individual picture does not match the actual product, please refer to the actual product.

## 2 SAFETY INSTRUCTIONS



**Warning: Please read carefully warnings may cause personal injury as below**

- The machine has overload protection, which can prevent overload;
- To prevent fire, do not cover or block the ventilation holes. Do not use this product in zero clearance or non-ventilated areas as it may cause overheating. Please be careful when the surface temperature is too high;
- To avoid causing harm to you and others, please be sure to follow the safety precautions we have listed as below.



**Flammable gas:** there may be sparks when connecting load equipment, please be sure that there is no flammable gas in the surrounding area before connecting. And please keep good ventilation;



**Prohibit parallel connection with mains electricity:** output in parallel with mains electricity will damage the inverter and cause risk of electric shock;



**Prohibit minors from using:** can not be used by minors. This product has high voltage output and may lead to risk of electric shock



**Do not disassemble or modify this product without authorization:** unauthorized disassembly or modification of this product may lead to safety accidents such as failure, fire or electric shock;



**No stick objects touch:** do not place sticks or metal objects at the socket. This may cause electric shock and product damage by touching internal parts;



**Do not touch with wet hands:** do not touch the body and plug with wet hands, it may cause electric shock and personal safety;



**Keep away from flames and high temperature area:** fire and explosion of this product and battery can occur when operating in flame and high temperature area.



**No falling and colliding:** falling and colliding the product will cause damage and other safety hazards;



**Medical equipment banned:** this product has not been tested and cannot be used in medical equipment;



**Please ground wire:** for electricity safety, please ground wire or it may cause safety accidents;



**Moisture-proof and waterproof:** please pay attention to moisture-proof and waterproof. This product may cause short circuits, fires, and electric shock accidents due to moisture or water ingress;



**Complete insert:** please insert the load device plug into the power socket of this product fully. If the plug cannot be fully inserted, it may cause electric shock, overheating, and even fire accidents. Do not use damaged plugs, power sockets and power cords.

### 3 PRODUCT DESCRIPTION

Thank you very much for choosing the portable power station products produced by our company. If you encounter a power outage or need electricity when traveling, you can use this product to power your electrical appliances or digital products. The power supply supports DC output, USB output, AC output, can Provide power for your laptop, appliances, lights, etc. We sincerely hope that this product can meet your needs, and at the same time hope that you can put forward more opinions on the performance and functions of the product. We will continue to improve and improve product quality. When any abnormality occurs during your use In case of any situation, please contact us immediately, we will try our best to provide you with the fastest satisfactory service.

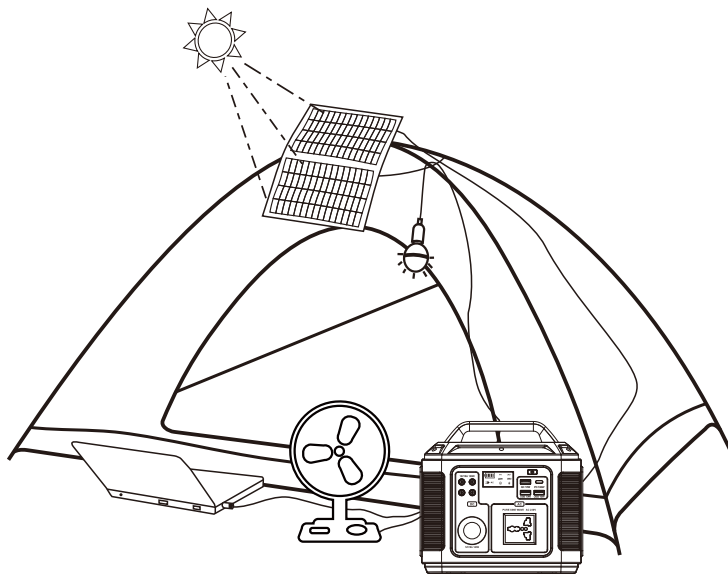
This series of portable power station is a new energy storage solution developed by our company for the convenience of electricity consumption, based on the higher demand for efficiency and flexibility of users in the digital age. The product's humanized design and innovative fashion elements enable us to have a seamless experience in the face of various application loads. The safety, reliability, and plug-and-play of the product have been perfectly solved by this series of energy storage power supplies.

The portable power station can be used in household, outdoor, car, boat and other environments, and the working status of the portable Ppower station can be understood through the display panel.

**The product has the following characteristics:**

- 1. Built-in large capacity and high density lithium battery;**
- 2. Support AC output, DC output, car cigarette lighter interface output;**
- 3. Support USB, TYPE-C (PD), USB QC charging function;**
- 4. Portable design, support lighting and SOS function;**
- 5. Compatible with mains voltage, high conversion efficiency and rich interfaces;**
- 6. Perfect circuit protection, providing high temperature protection, over voltage protection, low voltage protection, short circuit protection, overload protection and other functions;**
- 7. Support solar charging and TYPE-C (PD) two-way function.**

**This product is only for emergency use and cannot be used as a substitute for normal household AC power. For long-term use of electrical appliances, please be sure to use the power supply specifications required by electrical appliances.**



**Application Example of Portable Power Station**



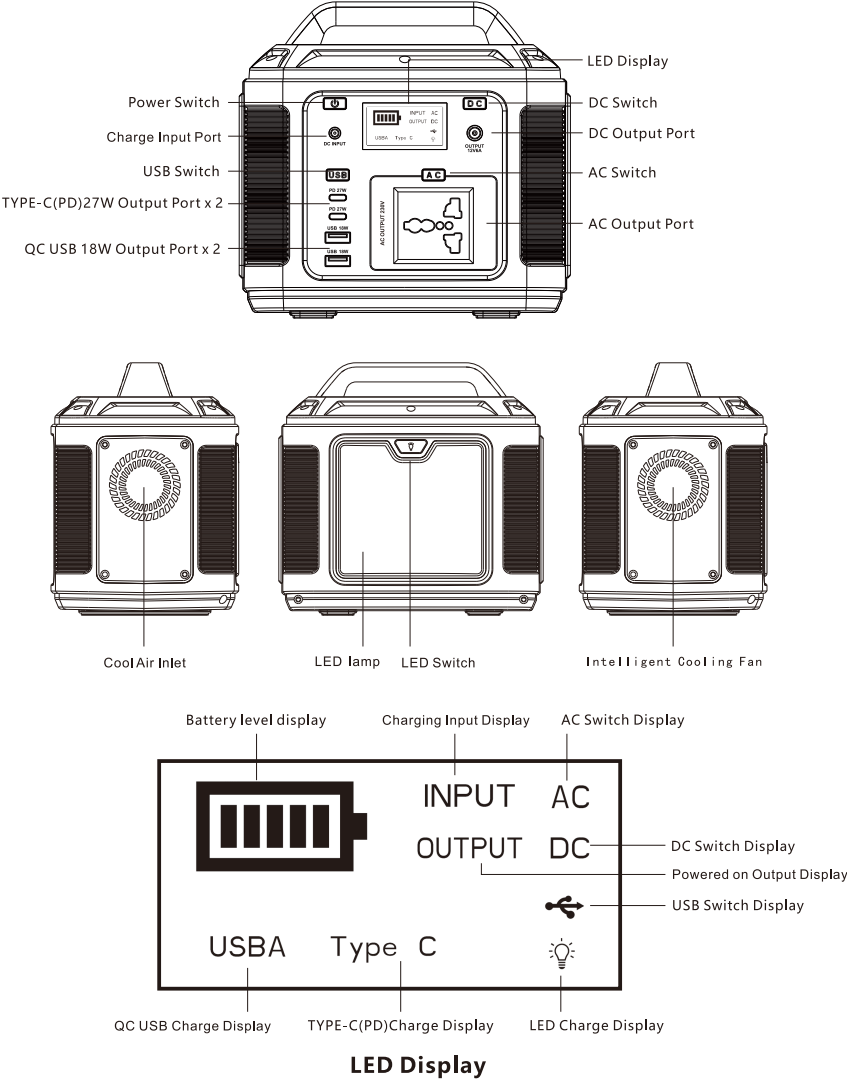
4 PRODUCT APPEARANCE AND FUNCTION

4.1 BAS200 Appearance and Function Introduction

1. The product buttons are divided into main power switch button, DC switch button, AC switch button, USB switch button, lighting switch button (with indicator light to display on and off) to control respectively, and there are corresponding displays on the screen;

2. Press and hold the power button for 2 seconds to turn it on and off. After turning on the power button, the AC, DC, USB, and LED lighting outputs can be turned on. After the power is turned on, the USB and TYPE-C (PD) will turn on the output immediately;

3. Press the DC button to turn on and off, the AC button to turn on and off, the USB button to turn on and off, and the light to turn on and off. Press once to switch modes. There are 4 modes for the light, namely weak light, medium light, strong light and SOS mode. To turn off the light in any one of the gears, you need to press continuously until the light is turned off.

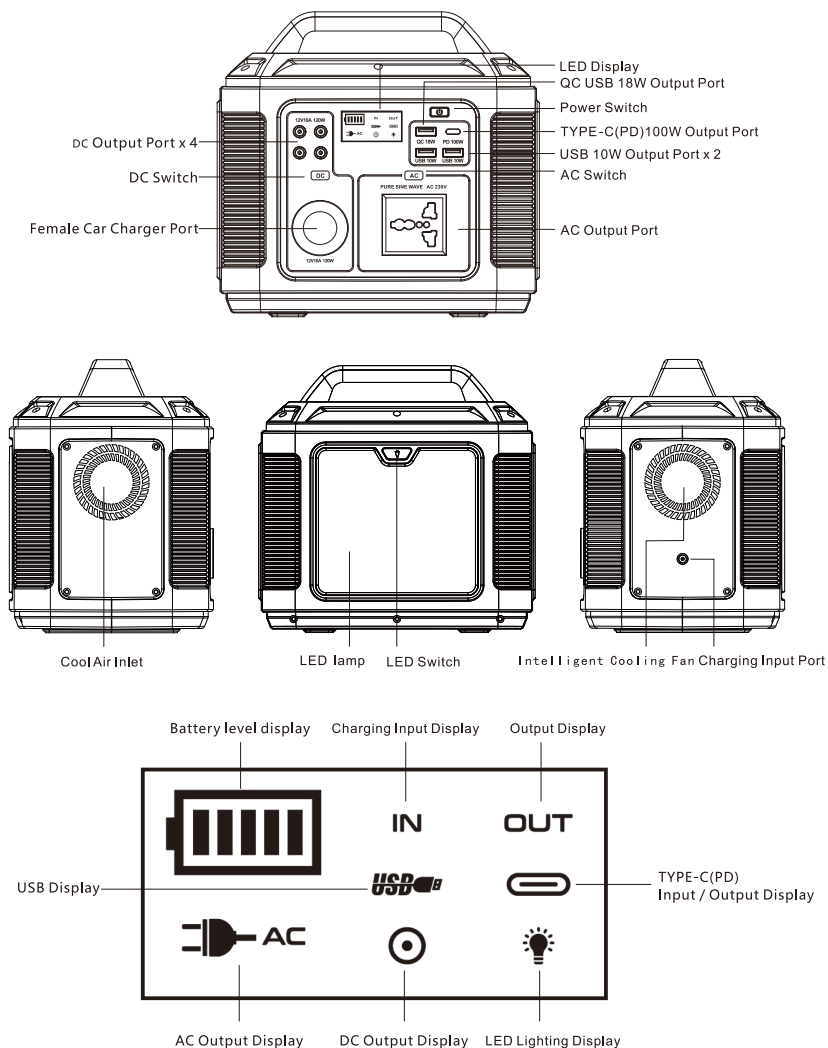


## 4.2 BAE300 Appearance and Function Introduction

1. The product buttons are divided into main power switch button, DC switch button, AC switch button, and lighting switch button (with indicator lights to show on and off), which are respectively controlled, and corresponding displays are displayed on the screen;

2. Press and hold the power switch key for 2 seconds to turn it on and off. After the power switch key is turned on, the AC, DC, and LED lighting outputs can be turned on. After the power is turned on, the USB and PD output will be turned on immediately. When the load is detected, the screen will display USB;

3. Press the DC button to turn on and off, and the AC button to turn on and off. Click to turn on and off the light, and press it to switch modes. The LED light has lighting and SOS functions. To turn off the light in any gear, you need to press continuously until the light is turned off.



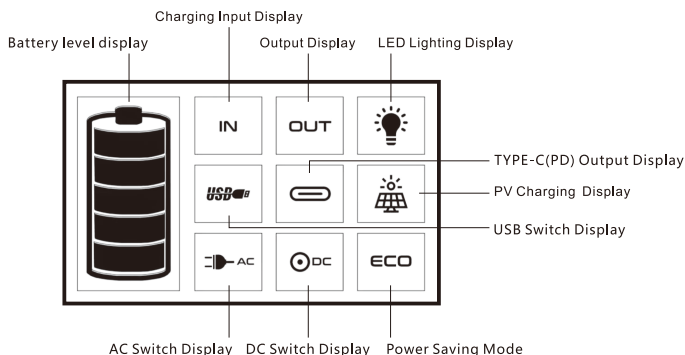
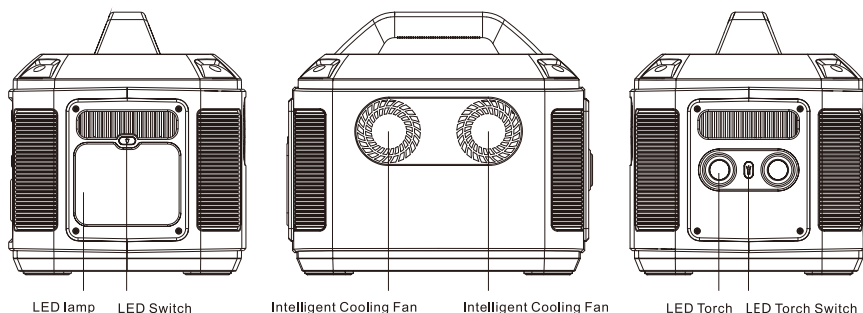
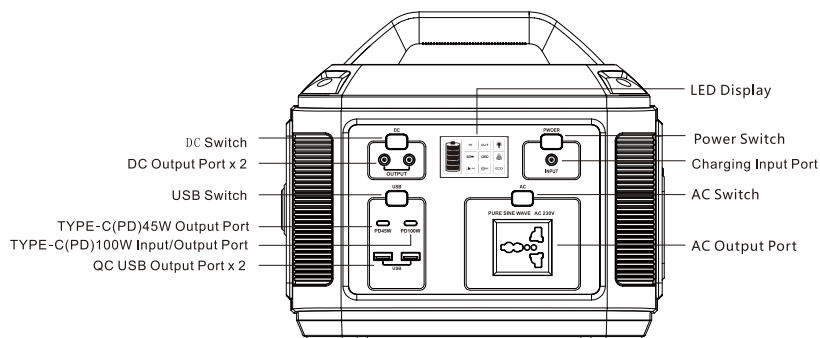
**LED Display**

### 4.3 BAE500 Appearance and Function Introduction

1. The product buttons are divided into main power switch button, DC switch button, AC switch button, USB switch button, LED lighting switch button, LED flashlight switch button (the screen has an indicator light to display on and off), which are respectively controlled, and corresponding displays are displayed on the screen;

2. Press and hold the power switch key for 2 seconds to turn it on and off. Only after turning on the power switch key can the AC, DC, USB, LED lighting, and LED flashlight output be turned on;

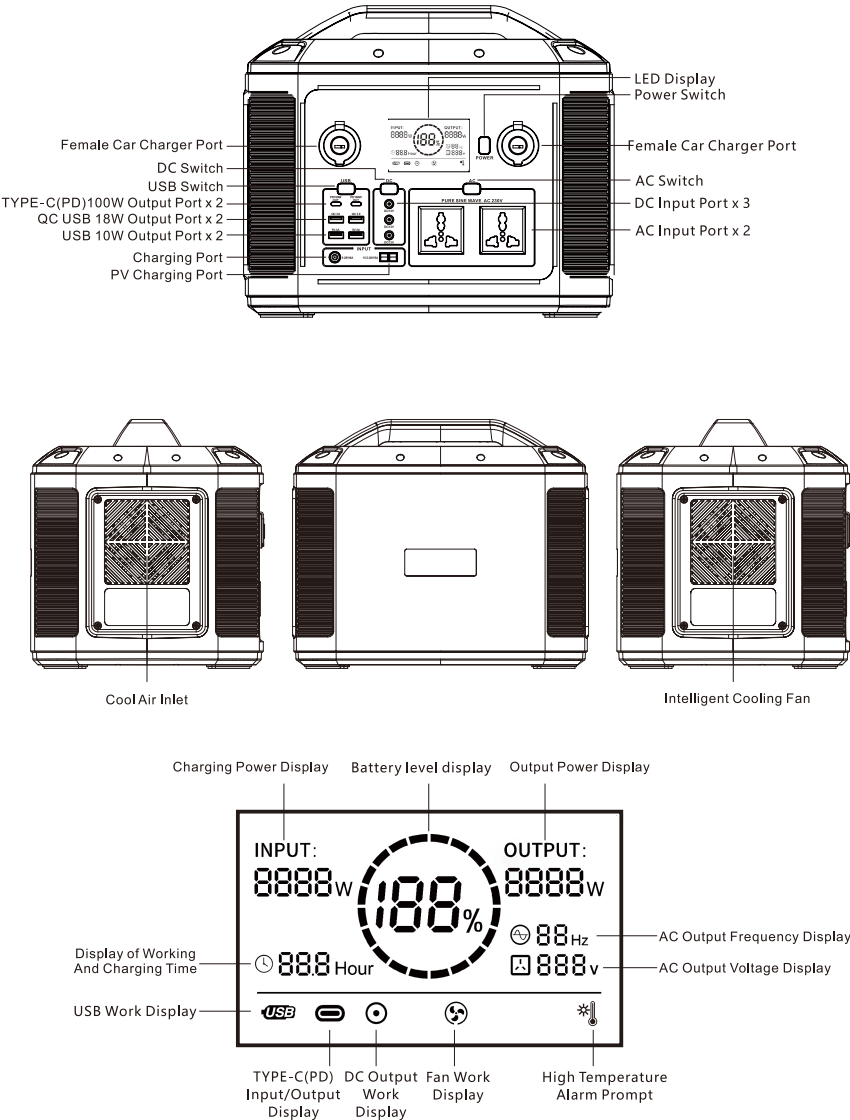
3. Press the DC key to turn on and off, the AC button to turn on and off, the USB button to turn on and off, and the LED light to turn on and off. Press once to switch modes. The light has three modes: lighting, flash, and SOS, to turn off the light at any gear needs to be tapped continuously until the light is turned off.



### LED Display

4.4 BAE1000 Appearance and Function Introduction

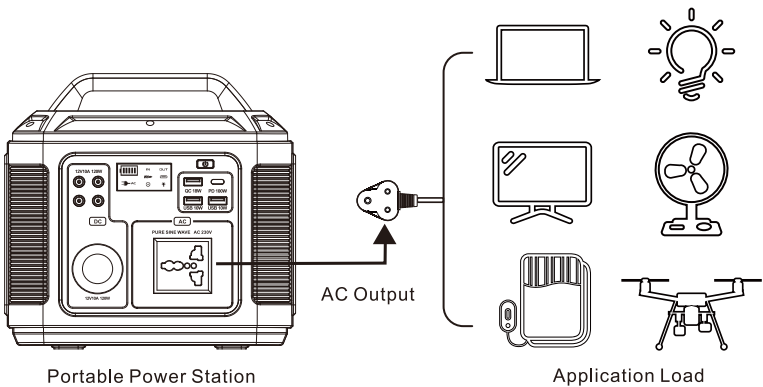
1. The product buttons are divided into main power switch button, DC switch button, AC switch button, USB switch button to control respectively, and there are corresponding displays on the screen;
2. Press and hold the power switch key for 2 seconds to turn it on and off, and press the AC, DC, USB switch key to turn on the corresponding output.



LED Display

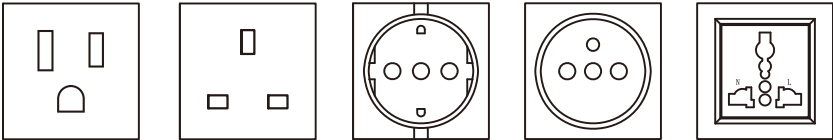
### 5 AC POWER SUPPLY

- 1. Connect the power cable plug of the electrical appliance to the AC interface of this product, and turn on the "AC" power switch to allow the appliance to supply power to the electrical appliance;
- 2. Please use electrical products whose power is within the output power range of the portable Ppower station, such as lamps, electric fans, TVs, game consoles, etc. Please turn on the power switch before use, and the AC output will be short-circuited or the power of the load exceeds the AC output power of this product. This product activates short-circuit protection or overload protection, remove the short-circuit or remove the electrical equipment, and press the AC button to restore the output;
- 3. Different countries have different interface specifications and voltage standards. Before use, be sure to carefully check whether the specifications of the product are consistent with the specifications of the electrical appliance, otherwise it may lead to dangerous situations;
- 4. When the AC outlet is not in use, please turn off the AC switch in time to save energy;
- 5. The machine provides short-circuit and overload protection. If the AC output is short-circuited or the output machine is loaded, the machine will turn off the AC output for protection. Please troubleshoot the problem and press the AC output button again to realize the AC output.



**Portable Power Station schematic diagram of connected application load**

Some electrical equipment, such as refrigerators, ice machines, laser printers, etc. may require a peak power to start or occur during work. This time may be very short, but this peak power may exceed the highest peak value of the portable Ppower station, which will Cause the machine overload protection, please remove the electrical equipment. Please press the AC button again to achieve AC output.

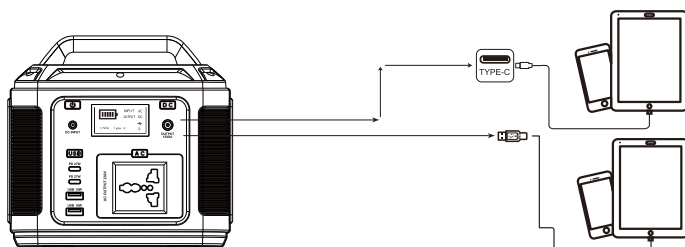


**Note:** The AC socket may vary according to different countries and regions, please refer to the actual product.

## 6 HOW TO CHARGE USB DEVICES

### 6.1 BAS200 USB Charging

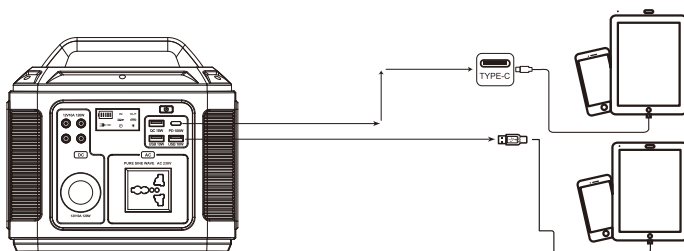
1. Press and hold the power button "⏻" for 2 seconds to turn on the device, the LED screen will light up and display the remaining power;
2. Press the "USB" switch to turn on the PD and USB QC output ports, and the corresponding output indicators on the screen will light up;
3. The maximum output of QC USB fast charging is 18W 5V/3A, 9V/2A, 12V/1.5A (Max) output, which is used for digital devices that also support C fast charging technology;
4. TYPE-C (PD) maximum output is 27W, 5V/3A, 9V/3A, 12V/2.25A (Max);
5. The actual charging voltage and current are related to the smart device, you can consult the device manufacturer to obtain the corresponding information;
6. The smart power saving mode will be automatically enabled when no device is connected or fully charged, and the USB output will be automatically turned off within 60 seconds when the device is fully charged or not in use.



**BAS200 Portable Power Station output through QC, TYPE-C (PD) port**

### 6.2 BAE300 USB Charging

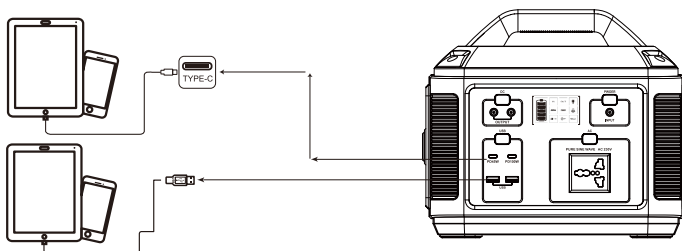
1. Press and hold the power button "⏻" for 2 seconds to turn on the device, the LED screen will light up and display the remaining power;
2. Connect the cable to the PD, USB or QC output port on the product, and the corresponding output indicator on the screen will light up;
3. The maximum output of QC USB fast charging is 18W 5V/3A, 9V/2A, 12V/1.5A (Max)) output, which is used for digital devices that also support QC fast charging technology;
4. TYPE-C (PD) maximum input/output is 100W, 5V/3A, 9V/3A, 12V/3A, 20V/5A (Max);
5. USB max output is 10W 5V/2A(Max);
6. The actual charging voltage and current are related to the smart device, you can consult the device manufacturer to obtain the corresponding information;
7. Smart power saving mode will be enabled automatically when no device is connected or fully charged, when the device is fully charged or not in use, the USB output will be automatically turned off within 60 seconds



**BAE300 Portable Power Station output through USB, QC, TYPE-C (PD) port**

### 6.3 BAE500 USB Charging

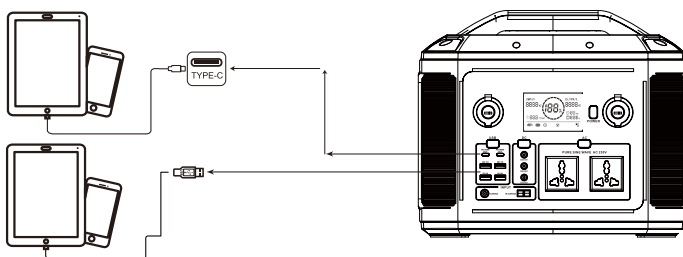
1. Press and hold the power button "⏻" for 2 seconds to turn on the device, the LED screen will light up and display the remaining power;
2. Press the "USB" switch to turn on the PD and USB QC output ports, and the corresponding output indicators on the screen will light up;
3. The maximum output of QC USB fast charging is 18W 5V/3A, 9V/2A, 12V/1.5A (Max) output, which is used for digital devices that also support C fast charging technology;
4. TYPE-C (PD) maximum output is 27W, 5V/3A, 9V/3A, 12V/3A, 20V/2.5A (Max);
5. TYPE-C (PD) maximum input/output is 100W, 5V/3A, 9V/3A, 12V/3A, 20V/5A (Max);
6. The actual charging voltage and current are related to the smart device, you can consult the device manufacturer to obtain the corresponding information;
7. The smart power saving mode will be automatically enabled when no device is connected or fully charged, and the USB output will be automatically turned off within 60 seconds when the device is fully charged or not in use.



**BAE500 Portable Power Station output through USB, QC, TYPE-C (PD) port**


### 6.4 BAE1000 USB Charging

1. Press and hold the power button "⏻" for 2 seconds to turn on the device, the LED screen will light up and display the remaining power;
2. Connect the cable to the PD, USB or QC output port on the product, and the corresponding output indicator on the screen will light up;
3. The maximum output of QC USB fast charging is 18W 5V/3A, 9V/2A, 12V/1.5A (Max)) output, which is used for digital devices that also support QC fast charging technology;
4. TYPE-C (PD) maximum output is 100W, 5V/3A, 9V/3A, 12V/3A, 20V/5A (Max);
5. USB max output is 10W 5V/3A(Max);
6. The actual charging voltage and current are related to the smart device, you can consult the device manufacturer to obtain the corresponding information;
7. Smart power saving mode will be enabled automatically when no device is connected or fully charged, when the device is fully charged or not in use, the USB output will be automatically turned off within 60 seconds



**BAE100 Portable Power Station output through USB, QC, TYPE-C (PD) port**

7 POWERING DC EQUIPMENT

- 1. Press and hold the power button “” for 2 seconds to turn on the device. The LED screen will light up and display the remaining power;
- 2. Press the "DC" switch button, the DC output will light up;
- 3. The total output current and voltage of BAS200 DC power port is 12V/6A1 (Max), the total output current and voltage of BAE300, BAE500, BAE1000 DC power port is 12V/10A (Max);
- 4. When the DC port is not in use, turn off the DC output to save energy, press the DC control switch or press and hold the power button for 2 seconds to turn off the device.

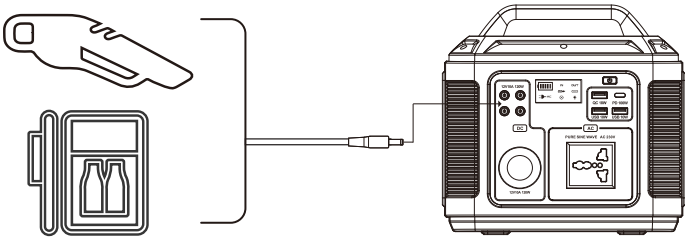


Diagram of Portable Power Station Connected to DC Equipment

8 CHARGING

8.1 Charging via AC Adapter

- 1. Insert the included AC adapter into the charging port, the charging input on the screen will light up, and the device will start charging;
- 2. The flashing battery icon on the screen indicates that the portable Ppower station is charging, and the current battery power will be displayed on the screen;
- 3. When the battery icon on the screen no longer flashes, the portable Ppower station is fully charged, and the AC adapter can be unplugged;
- 4. Using the adapter During the charging process, the adapter will heat up, which is a normal phenomenon. In a confined space, the adapter will get very hot, please do not use the device for a long time under these conditions;
- 5. During the charging process, the cooling fan runs at high speed, which is a protection function to ensure that the device remains cool during operation.

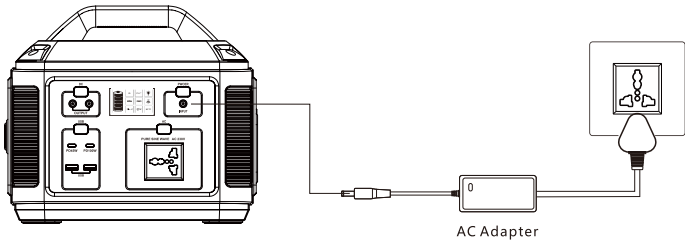
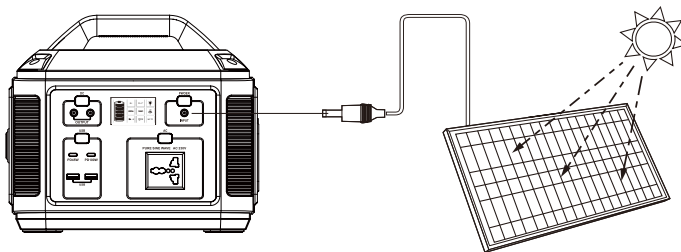


Diagram of Portable Power Station Charging through AC Adapter



## 8.2 Charging via Solar Panels

1. Face the solar panel to the sun, then connect the solar panel to the "Anderson" interface of the portable power station to start charging;
2. The flashing battery indicator on the screen indicates that the portable Ppower station is charging, and the current battery power will be displayed on the screen;
3. When the battery icon on the screen is no longer flashing, the power station is fully charged and the solar panel can be unplugged;
4. During charging, the cooling fan runs at high speed, which is a protection function to ensure that the device remains cool during operation;
5. The power of the solar panel should not exceed the maximum charging input power on the parameter table. If there is insufficient sunlight, the charging time will be prolonged. Please refer to the actual charging time for the specific charging time.



**Diagram of Portable Power Station Charging through Solar Panels**

BAS200 uses 3.5mm diameter interface, BAE300  
BAE500 use 5.5mm diameter interface, BAE1000 uses "Anderson" interface

## 9 LED LIGHTING FUNCTION

1. Press and hold the power button "⏻" for 2 seconds to turn on the device, the LED screen will light up;
2. Click the LED light switch button, the LED light will turn on, and a light bulb indicator will appear on the screen;
3. The LED lighting has modes such as lighting and SOS, and you can switch between these modes by clicking the LED switch button;
4. Press the LED light switch to turn off the LED light;
5. Click the LED flashlight switch button, the LED flashlight will turn on(This function is limited to BAE500 model);
6. BAE1000 model without LED lighting function.

# 10 PRODUCTS PARAMETER

Category		BAS200	BAE300	BAE500	BAE1000
AC Output	Rated Power	200W	300W	500W	1000W
	Peak Power	400W	600W	1000W	2000W
	Voltage	110V / 220V (Optional)			
	Frequency	50Hz / 60Hz (Optional)			
	Waveform	Modified Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Battery Information	Capacity	148Wh / 185Wh (Optional)	236.8Wh	488.4Wh	1008Wh
	Type	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery
USB Output	USB	None	2*USB 10W	None	2*USB 5V/3A
	QC USB	2*QC 18W	2*QC 18W	2*QC 18W	2*QC 18W
	TYPE-C(PD)	2*PD 27W	1*PD 100W	PD45W, PD100W	2*PD 100W
DC Output	DC interface	1*DC 12V/6A (Maximum)	4*DC 12V/10A (Maximum)	2*DC 12V/10A (Maximum)	3*DC 12V/10A (Maximum)
	Car Cigarette Lighter Interface	None	1* 12V/10A (Maximum)	None	2* 12V/10A (Maximum)
Charging Input	AC Adapter	15V/2A	19V/3A	24V/5A	25.5V/6A
	Solar Panels	12~20V/2A (Max 3A)	12~20V/3A (Max 5A)	9~24V/5A (Maximum)	15.5~28V/5A (Maximum)
	TYPE-C(PD)	None	PD 100W	PD 100W	None
	Car Cigarette Lighter Interface	12~20V/3A (Maximum)	12~20V/5A (Maximum)	None	None
LED Lighting	Power	4W	5W	4W(2W+2W)	None
	Mode	Weak Light, Moderate Light, Strong Light SOS Mode	Lighting SOS Mode	2W(Lighting Flash SOS) 2W(Flashlight)	None
Other	Working/Storage Temperature	-10~60°C/-10~40°C	-10~60°C/-10~40°C	-10~60°C/-10~40°C	-10~60°C/-10~40°C
	Net Weight	1.85kg	3.07kg	6.55kg	11.75kg
	Product Size (L*W*H) mm	176*124*168	215*150*205	270*215*235	324*252*276
	Package Size (L*W*H) mm	268*212*168	307*250*195	340*285*305	428*358*370

## **11 PRODUCT USAGE SKILLS**

1. This product contains expensive and high-quality original lithium-ion batteries, no memory effect, large capacity, and durable. But we still recommend users to use it between 10°C~30°C to get the best charging capacity;
2. When charging, in order to avoid interference, please try to stay away from TV radio and other equipment;
3. If the eggs are not used for a long time, please disconnect the cable before storing;
4. Some portable devices may need to be set in the charging mode before they can be charged. For more information, please refer to the corresponding device manual;
5. In order to prolong the life of the product (lithium battery), it is best to charge once within 3 months, at least once within 6 months;
6. Due to the chemical characteristics of the battery, cold weather (below zero degrees Celsius) will affect the capacity of the battery of this machine. If you will be living in a cold location without access to the AC grid, we recommend that you store the unit in an insulated place and connect it to a power source (solar panel). The heat naturally generated during the charging process of the unit will help the unit to be in the best capacity state possible.

## **12 RECYCLE**

Please be sure to send used electronic products, batteries and packaging materials to special recycling points. This can help prevent uncontrolled waste disposal and help promote material recycling.

## **13 BATTERY INFORMATION**

This device has a built-in non-removable rechargeable battery, please do not try to remove the battery, so as not to damage the device. Batteries can be charged and discharged hundreds of times, but will eventually fail.

## **14 COPYRIGHT STATEMENT**

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