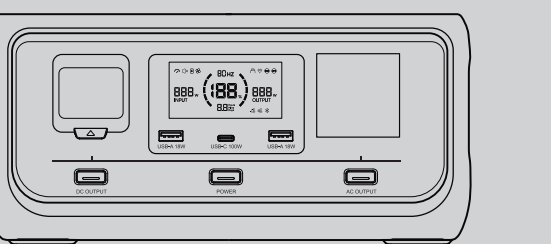


ALLPOWERS

Portable Power Station



ALLPOWERS VOLIX P300

The products and materials described in this manual will be changed at any time due to technical upgrades.
The company reserves the final right to change and explain the contents of the manual.

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1. Safety Instructions

This product is a storage battery. Please take basic precautions, including:
1. Always operate the product in a dry and well-ventilated place. If it is damp, please wipe it thoroughly before use.
2. To reduce the risk of injury, close supervision is required when using this product near children.
3. Do not put your fingers into the product, otherwise it may cause electric shock or other dangers.
4. Do not touch the AC interface with metal, otherwise it may cause electric shock, fire and other dangers.
5. Do not block the product vents during charging or using the product, otherwise it may cause permanent damage to the product.
6. Do not expose the product to rain or snow.
7. Do not use this product in strong static electricity or strong magnetic field environments.
8. Please use cables designed specifically for the product. The company does not assume any responsibility for damage caused by third-party equipment.
9. Do not disassemble the product at will. If this product needs service or repair, please find a qualified repairman. Note that the internal fuse (F1) cannot be replaced.
10. Improper use, dropping or overuse may cause damage to the product.
11. When disposing of used batteries, please separate batteries of different electrochemical systems.
12. In case of fire, use a dry powder fire extinguisher or immerse in water.
13. Keep the product away from fire and heat sources.

2. Specifications

General Information	
Product name	VOLIX P300
Net weight	3.57KG (7.87lbs)
Dimensions (WxDxH)	260x210x125mm (10.2x8.2x4.9 inch)
Input	
AC input	(100~120V~4A Max60Hz/(220~240V~2A Max50Hz)
Solar input power	MPPT(11~30V~8A 110W Max
Car Charger Input	12V/24V 110W Max

Output

AC output X1	100-120V/220-240V 300W Max (Surged600W) US 110-120V=5A; CN 220V=2.7 A; EU 230V=2.6 A; AU 240V=2.5 A(Max.)
USB-A output X2	5V~3A, 9V~2A, 12V~1.5A, 18Wx2
USB-C output X1	5/9/12/15V~3A, 20~5A, 100W Max
Car charger port	12V~10A 120W Max
AC+DC total output	300W Max

Battery Specifications

Rated capacity	256Wh 12.8V~20Ah
Battery type	LFP lithium iron phosphate
Cycle life	After 4000 cycles, maintain more than 70% of the state of health (SoH)

Protection type High temperature protection, low temperature protection, overcharge protection, short circuit protection, overcurrent protection

Operating Temperature

Charging temperature range	0°C~40°C
Discharging temperature range	-10°C~40°C
Storage temperature range	-20°C~40°C (20°C~30°C is recommended)
Working humidity range	10%~90%

Communication

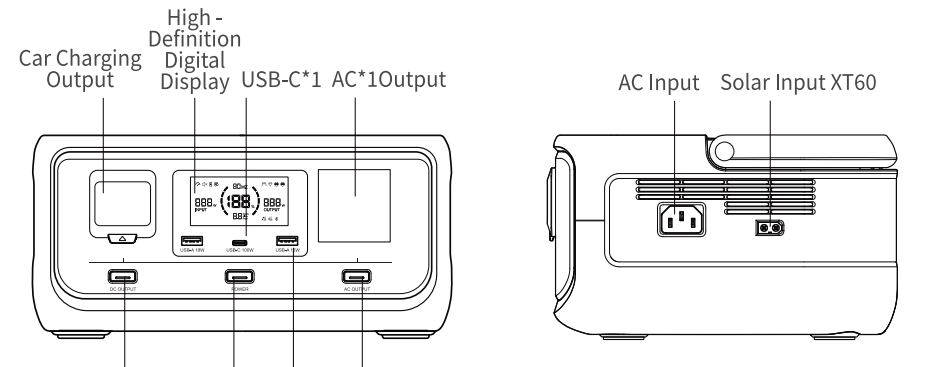
Communication model	Bluetooth
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Certification

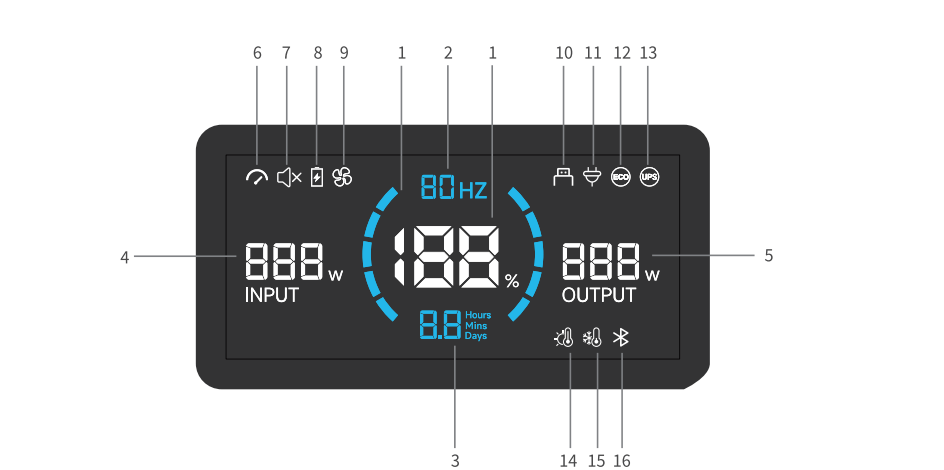
CE RoHS FCC IC UN38.3

3. User Instructions

3.1 Product appearance introduction



3.2 Display Icon Introduction



3.3 AC Charging

This product uses AP-POWER fast charging technology for AC charging. The charging power can be controlled by AC fast charging mode standard mode/silent mode. The maximum input for fast charging can reach 300W; the maximum input for charging in standard mode can reach 200W; the maximum input in silent mode can reach 100W, realizing silent charging. The default input power of the charging working mode is silent mode. The charging power mode adjustment needs to be set in the APP. For details, see "3.7 APP Usage".

Please use the original standard AC charging cable of the product. ALLPOWERS does not assume any responsibility for damage caused by using other unofficial charging cables. MPPT(11~30V~8A 110W Max). It is not recommended to go through a power strip. If the above conditions are not met, please switch to standard mode or silent mode for charging.

3.4 Solar Charging

Users can charge this product by connecting solar panels in series as shown in the figure.

*When using this product to charge the solar panel, please connect it according to the specifications in the user manual. Before connecting the solar panel, please confirm that the output voltage specification of the solar panel is within 11~30V to avoid damage to the product.

3.5 UPS Function (Uninterruptible Power Supply)

This product supports UPS (uninterruptible power supply) function. Connect the power grid and the AC input port of this product through the AC charging cable. The electrical appliances can use the AC output port of this product to work (the AC power comes from the power grid, not the battery). When the power grid suddenly loses power, this product can automatically switch to the battery power supply mode of this product within 20ms. It is recommended to use only one device during use, and do not use multiple devices at the same time to avoid triggering the overload protection of this product. If the storage device cannot operate normally or data is lost due to failure to follow the instructions, the company will not bear the corresponding responsibility.

Note: When the power grid is connected and the AC output is started, the UPS function icon automatically lights up and the UPS function is activated. When using the UPS function, pay attention to whether the household circuit can maintain a 10A current.

3.6 APP Usage

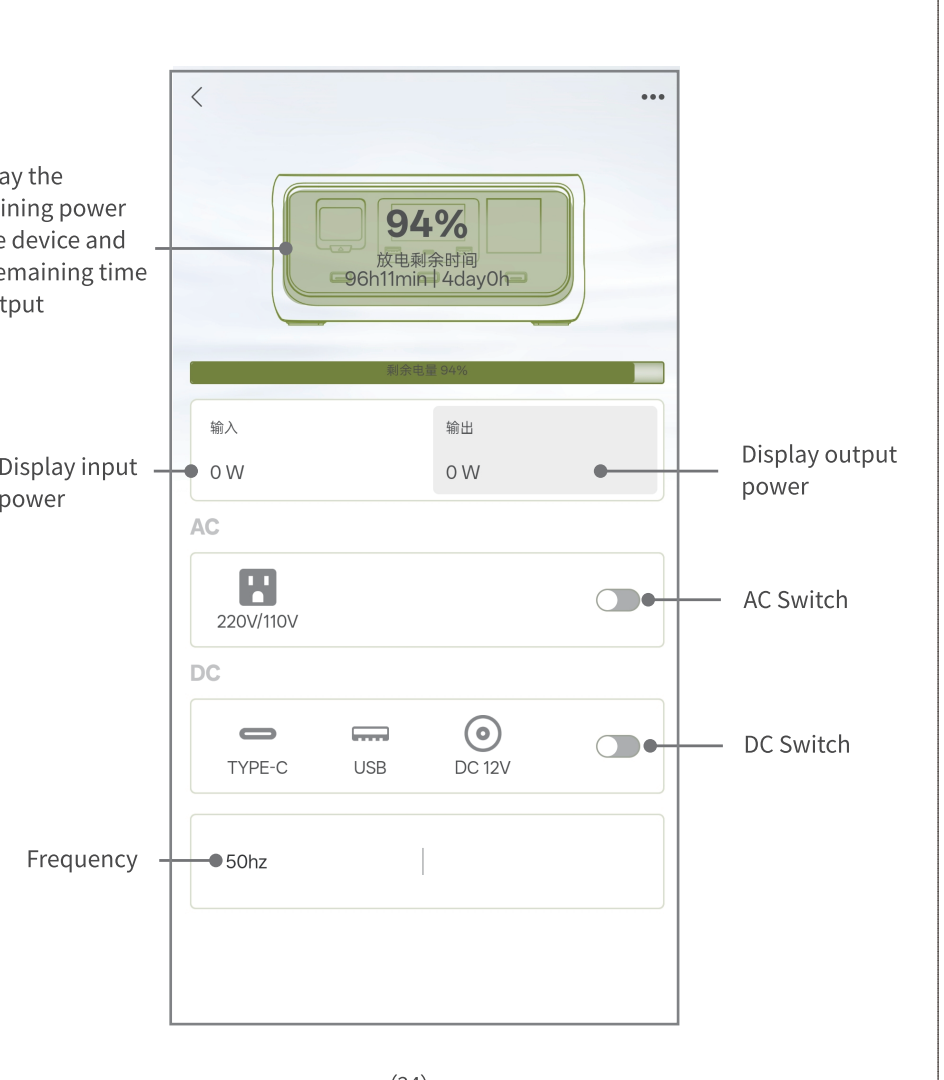
3.6.1 APP download:
You can use your mobile phone to scan the QR code below to download and install the APP.

IOS Android

3.6.2 Bluetooth connection energy storage:
① Confirm that the device and mobile phone Bluetooth are turned on
② Click the field icon above on the mobile phone APP to enter the Bluetooth interface;
③ Click Next to scan and search for devices
④ Select the corresponding device and click to connect;
⑤ After the connection is successful, P300 will be displayed in the Bluetooth device column.

3.6.3 Mobile APP Instructions

1. Basic operation instructions for energy storage equipment



2. Energy storage device settings and operation instructions

① Charging power working mode setting: can be set to fast charging mode, standard mode, silent mode;
② Power saving mode switch, can set the energy storage device to automatically shut down after 1 hour, 2 hours, 4 hours, 6 hours when the total output power of AC and DC is less than 10W.

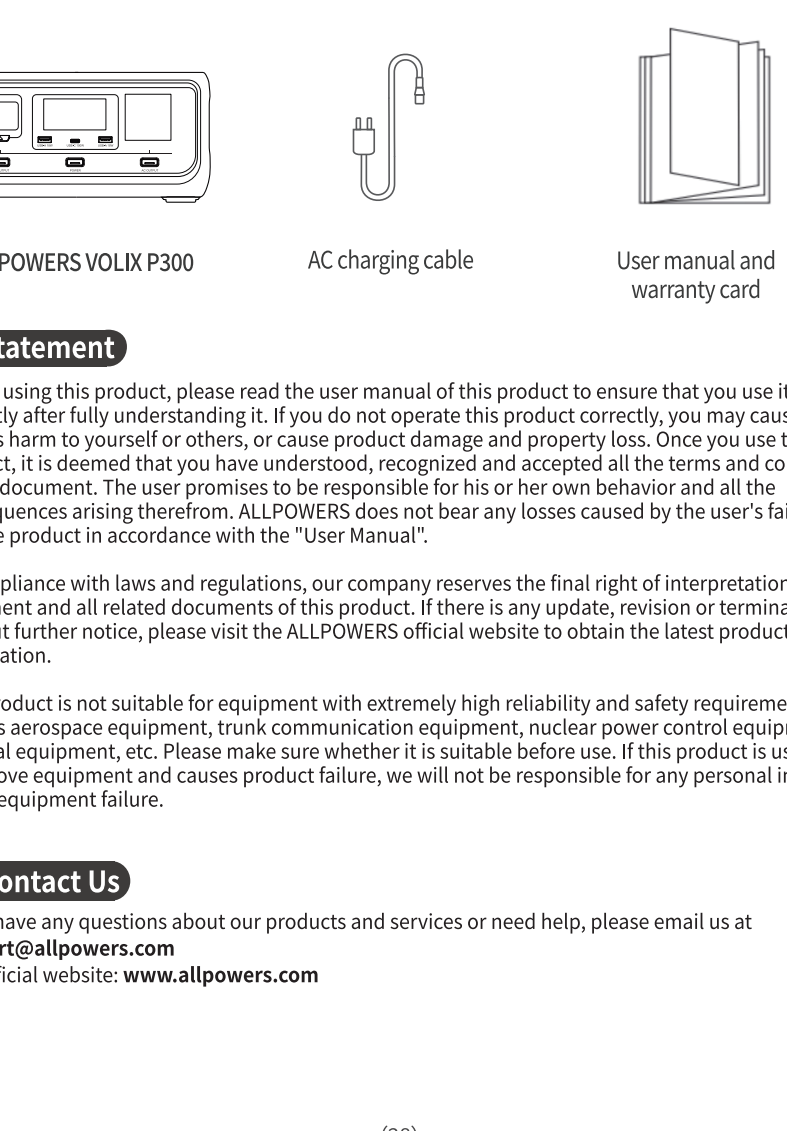
4. Common Problems

1. What type of battery does the product use?
This product uses high-quality lithium iron phosphate batteries.
2. What devices can be connected to the AC outlet of the product?
The rated power of the AC outlet of this product is 300W, and the peak power is 600W (that is, it supports instant (about 200ms) start-up load devices with a peak power of no more than 600W). It can power most household appliances, but it is recommended that you confirm the power size of the appliance before use, and ensure that the sum of the power of all load devices is less than the rated power.
3. How do I know how long the product can power?
The LCD screen of this product will display the battery life, and the time can be estimated for devices with stable power consumption.
4. How to judge whether the product is in charging state?
When charging, the LCD screen will display the remaining charging time, the power indicator circle outside the battery power percentage will have a rotating animation effect, and the input power will be displayed.
5. How to clean this product?
Please use a dry, soft, clean cloth or paper towel to wipe this product.
6. How to store the product?
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, fire, or chemicals. During long-term storage, it is recommended to discharge the battery to 30% and then charge it to 60% every three months to extend the service life of this product.
7. Can this product be taken on an airplane?
No.
8. Can it be charged and discharged at the same time?
Yes, the product supports simultaneous charging and discharging.
9. Is the actual output capacity of the product consistent with the capacity specified in the user manual?
The capacity specified in the user manual is the rated capacity of the battery pack of this product. Since this product has a certain efficiency loss during the charging and discharging process, the actual output capacity of the product is lower than the capacity specified in the user manual.
10. How to turn on/off the Bluetooth of the device?
The Bluetooth of the device is turned off by default when it leaves the factory. Press and hold the DC button for 3 seconds to turn on/off Bluetooth.
11. How to turn on/off the button prompt sound?
The button prompt sound of the device is turned on by default when it leaves the factory. To turn it on/off: After turning on the device, press and hold the "DC OUTPUT+AC OUTPUT" button for 3 seconds at the same time until the prompt sound sounds.

5. Fault Display and Handling

Fault Codes	Fault type	Fault recovery method
E103	Charging high temperature protection	Turn off input
E104	Charging low temperature protection	Turn off input
E105	Discharging high temperature protection	Turn off output
E106	Discharging low temperature protection	Turn off output
E202	Overload protection	Turn off output
E203	Short circuit protection	Turn off output
E208	Temperature protection	Turn off output
E301	MPPT input overvoltage	Turn off input
E302	MPPT input undervoltage	Turn off input
Other faults = xx xx is the fault number, please contact customer service for details		

6. Package Contents



7. Statement

Before using this product, please read the user manual of this product to ensure that you use it correctly after fully understanding it. If you do not operate this product correctly, you may cause serious harm to yourself or others, or cause product damage and property loss. Once you use this product, it is deemed that you have understood, recognized and accepted all the terms and contents of this document. The user promises to be responsible for his or her own behavior and all the consequences arising therefrom. ALLPOWERS does not bear any losses caused by the user's failure to use the product in accordance with the "User Manual".

In compliance with laws and regulations, our company reserves the final right of interpretation of this document and all related documents of this product. If there is any update, revision or termination without further notice, please visit the ALLPOWERS official website to obtain the latest product information.

This product is not suitable for equipment with extremely high reliability and safety requirements, such as aerospace equipment, trunk communication equipment, nuclear power control equipment, medical equipment, etc. Please make sure whether it is suitable before use. If this product is used in the above equipment and causes product failure, we will not be responsible for any personal injury, fire or equipment failure.

8. Contact Us

If you have any questions about our products and services or need help, please email us at support@allpowers.com
Our official website: www.allpowers.com