140mm

180mm

ALLPOWERS

Portable Power Station

Model R600

The products and materials described in this manual are for 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

Please read carefully and pay attention to these notes sure to take basic precautions, be sure to take basic precautions including:

1. Be sure to operate the product in a dry and well-ventilated place, and it stays, the area, with, 6 thoroughly, before use.
2. To reduce the risk of injury, close monitoring is required when using this product near children.
3. Do not allow 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. During charging or using the product, do not block the product vents, otherwise it may cause permanent damage to the product.
6. Please do not expose the product to rain and snow.
7. If a battery is used in the product in the environment of strong static electricity or strong magnetic field, it may cause the safety operation of the product, the company does not assume any responsibility for the loss and consequences caused.
8. Do not disassemble the product at will, if this product needs repair or maintenance, please find a qualified repairer.
9. Improper use, failing or excessive force may cause damage to the product.
10. When disposing of used batteries, please separate batteries of different electrochemical systems.
11. In case of fire, no power fire extinguisher can be used or immersed in water.
12. Use tools to keep the product away from fire and heat sources.

2.Specifications

General Information

Net weight: Approximately 5.9KG (12.98lbs)
Size: 268*193*200mm (10.2*7.6*7.9inch)
Battery capacity: 299Wh (215.1Ph 336V)
Bluetooth: Support
UPS: Uninterruptible power supply: Support

Input Ports

AC Input: 100~120V/14A Max 120V/1800W/60Hz
Car Input: 12V-60V/14A, 20V/10A
DC Input: 12V/14A, 20V/10V/7.2A, 60V/2.5A 6.4A,24V/12 3.9.7Max.

Output Ports

AC Output 1: 100~120V/1200W/60Hz Max (Surge: 1500W)
USB-A Output 1/2: 5V~1A, 9V~2A, 12V~1.5A, 18V Max
USB-C Output 1/2: 5V~3A, 9V~3A, 12V~3A, 20V Max
Car port: 12V~10A, 120W Max
Wireless charger: 15W Max

Battery Info

Battery type: LiFePO4 (Iron Phosphate)
Protection type: High temperature protection, Low temperature protection, Over-discharge protection, Over-charge protection, Overload protection, Short circuit protection, Over current protection

Environmental Operating Temperature

Charge Temperature: 0℃~40℃(32℉~104℉)
Discharge Temperature: -20℃~40℃(-4℉~104℉)
Storage Temperature: 10℃~35℃ (50℉~95℉)(Recommended 20℃-35℃ is best)
Operating Humidity range: 20~90%

Certification

CE FC RoHS IC UL CA

3.User guide

3.1 Product appearance introduction

3.2 Introduction of Display (Touch) Icons

Number	Function Introduce	Number	Function Introduce
1	Percentage of charge	7	Disabled port icon
2	The number of input Power	8	DC indicates icon
3	The number of output Power	9	AC indicates the icon
4	AC output hourly number	10	The UPS indicates the 10
5	Time remaining	11	Fan operating 12
6	Power saving mode icon	12	Car charge output icon
		13	Bluetooth connection icon

3.3 AC charging

The AC charging of this product adopts AP PowerS fast charging technology, and the charging power can be adjusted through the AC charging Fast Mode/Standard Mode/Mute Mode. The maximum input of the fast charm can reach 1200W (the maximum input of charging in Standard Mode can reach 720W. Make Wide 200W (with adaptive) technology) to achieve to ice. The default input power of customized charging in Mute Mode, and the charging power is adjustable needs to be set in the mobile APP of this product.

Please use the original standard AC charging cable of the product, ALLPOWERS will not bear any damage caused by the use of other unofficially charging cables bear any responsibility. Please ensure that the power socket used for charging is grounded and the voltage and frequency of the power source. Write sure that the power socket is grounded to the household circuit breaker (if present). If the above conditions are not met, please switch to standard mode or use mode for charging.

When charge lower voltage by solar panel, please according to user manual.
Before connecting the solar panel please confirm that the output voltage specification of the solar panel is within 12-60V, the maximum current is 10A, and the maximum charging power is within 300W.

1. To avoid the overvoltage being in a low voltage, please charge it within 24 hours after the power is less than 1%.

3.4 Solar charging

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

3.5 UPS function (uninterruptible power supply)

The product provides uninterruptible power supply function. You connect the power grid and the AC input and the product through the AC charging, when the electrical appliance can use the AC output of the product, when the power grid is cut off, the product will automatically switch to the battery mode, when the power grid is restored, the AC automatically switch to the battery power, supply mode of the product when. Time, it is recommended to use only one device plug, and do not use multiple devices at the same time to avoid overload protection of the product. If the power cable fails to operate normally or loses it, or the operation is not in accordance with the instructions, our company does not assume the corresponding responsibility.

Note: When connecting to the power grid, you need to turn on the AC output first, and make sure that the AC output power is lower than the power of the UPS switching factor.

Normal: When fully charged, the power grid supply directly supplies power to the device.

Power cut off: The UPS automatically powers the device.

Power outage: The UPS continues to supply power to the device.

3.6 APP operation guide

3.6.1 APP download:
Search for "ALLPOWERS" in the App Store or Google Play to download and install the APP.

Use the APP to connect to the product via Bluetooth and install the APP.

iOS Android

3.6.2 Bluetooth connection power station

1. Ensure the power station is powered on, and mobile phone Bluetooth are turned on.
2. Click the R series power station device tab on the mobile APP to enter the Bluetooth connection interface.
3. Select the device to be connected and enter the password (default: 123456).
4. Select the corresponding power station and click to connect.
5. After the connection is successful, AP R600 V2.0 will be displayed in the Bluetooth device list.

3.6.3 Mobile APP Operation Instructions

1. Changing power working mode: working can be set to Fast Mode/Standard Mode/Mute Mode.
2. Mute Mode: Mute Mode is a quiet working mode, you can set the time of the mute mode, the range is 1 hours-24 hours, 24 hours. If the power station is working in the mute AC or DC will be turned off when the total output power (AC and DC) is less than 10W.

4. FAQ

Q1: What type of battery does the product use?
The product uses lithium iron phosphate (LiFePO4) batteries.(PS)

Q2: What devices can R600 power?
R600 can power most electronic devices, such as laptops (100-600W peak 1200W), small appliances, and other low-power devices. The specific power depends on the device's power. It is recommended that you confirm the power of the electrical appliance and ensure that the total power of the connected device does not exceed the rated power.

Q3: How to know how long the product will last?
The LCD screen of this product will display the battery life, which can be estimated for devices with stable power consumption.

Q4: How to judge the product is charging?
When charging, the LCD screen will display the remaining charging time, and the battery percentage will gradually increase. The charging percentage has a breathing animation effect.

Q5: How to charge the product?
Plug the product with a city wall cleaner cloth or paper towel.

Q6: Can it be used in the rain?
Although it has an IP65 rating, it is recommended to use it in dry, ventilated places with room temperature. Do not place the product in water nearby. For long-term storage, it is recommended to store it in a dry, cool place. If the product is used in rainy weather, it is recommended to place it in a waterproof bag or cabinet.

Q7: Can this product be brought on the plane?
Yes.

Q8 Can the R600 be charged while charging?
Yes, the R600 supports simultaneous charging and discharging.

Q9: Is the product suitable for long-term use/storage with the target capacity in the user manual?
Yes, the product can be used for long-term use/storage with the target capacity in the user manual. However, the product has a certain efficiency loss during the charging and discharging process, and the battery life will gradually decrease. If the product is never fully charged or discharged for long periods, its capacity will gradually decrease.

Q10: Is the actual output capacity of the product consistent with the target capacity in the user manual?
The capacity indicated in the user manual is the rated capacity of the battery cells. The product has a certain efficiency loss during the charging and discharging process, so the actual output capacity will be slightly lower than the rated capacity. Specifications refer user manual. If it exceeds the rated power, it will trigger the protection mechanism.

Q11: How to turn on/off the Bluetooth of the power station?
Turn on: Long press the power button for 3 seconds after turning on the device, if just when turning on the power button for 3 seconds until the Bluetooth icon on the display changes. This icon is always on in the on state. The icon disappears in the off state. Turn off: Long press the power button for 3 seconds.
The status of the Bluetooth is turned on by default at the factory. Turn on/off: After turning on the device, press and hold the "USB OUTPUT/AC OUTPUT" button for 3 seconds until the prompt sound sounds.

5. Troubleshooting

If the product encounters an abnormal operation, it will display a screen, and the related fault type and troubleshooting method are as follows:

Indicator	Problem	Solution
E002	Charging low temperature protection	Automatic recovery after ambient temperature recovery
E003	Charging high temperature protection	Stop charging, check the ventilation and radiation, and automatically recover after the temperature drops down
E004	Discharge low temperature protection	Automatic recovery after ambient temperature recovery
E005	Discharge high temperature protection	It is recommended that users wait for a short for more than 2 hours, and it will automatically recover after the temperature drops.
E006	Total output AC/DC overload protection	Remove the load and restart
E220	AC discharge overcurrent	Remove the load and turn on the AC independently
E202	AC discharge overload	Remove the load and turn on the AC manually again
E302	MPPT input overcurrent	Remove the solar panel, ensure the output power of the solar panel is within the rated power range
E303	MPPT input overload	Remove the solar panel, ensure the output power of the solar panel is within the rated power range
Other faults	Please consult customer service for details	

6. Package Contents

7. Statement

Please carefully read and pay attention to the notes in this manual. If you do not understand, please contact us for further understanding. If you do not operate this product correctly, you could cause serious injuries and damage to the product. Please keep this manual for reference and pass it on to other users of this product. Please follow all safety precautions and warnings mentioned in this manual. Failure to follow the instructions may cause injuries and damage to the product. The company is not responsible for any damage or injuries caused by the improper use of this product.

Q: Can this product be transported on a plane?
Yes, the product meets the airline requirements of the International Air Transport Association (IATA). If it is sublanded, renewed or terminated without prior notice, please visit the ALLPOWERS official website for the latest product information.

This product is not intended for use in applications that require extremely high reliability and safety, such as aerospace equipment, medical equipment, nuclear power control equipment, and medical equipment. Please make a payment after fully confirming the suitability of the product. If the product is used in the above-mentioned fields, the company does not assume responsibility, and will not be held responsible for any personal injury, loss, or malfunction of the equipment or equipment caused by the failure of this product.

8. Contact us

If you have any questions or need assistance with our products or other services, please email: "support@allpowers.com".
Our official website: www.allpowers.com