140mm

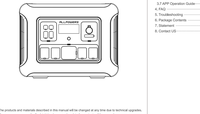
180mm

R2500 V2

ALLPOWERS

Portable Power Station

Model: R2500 V2



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

[1] Please carefully read this manual before operation to ensure the safe use of this product.

[2] Do not place this product near heat sources, such as heaters, stoves, or other appliances.

[3] Do not place this product in a wet and well-ventilated place, and if it gets wet, dry it thoroughly before use.

[4] To reduce the risk of injury, close monitoring is required when using the product near children.

[5] Do not alter your integrated the product, otherwise it may cause safety issues, such as battery leakage, overheating, fire, or explosion, and may cause electric shock, fire, and other dangers.

[6] During charging or using the product, do not block the product vents, otherwise it may cause permanent damage to the product.

[7] Please do not expose the product to rain and snow.

[8] It is forbidden to use the product in the environment of strong static electricity or strong magnetic field, otherwise it may affect the normal operation of the product.

[9] Please keep the product away from the heat source, and the temperature of the product should be kept within the range of 0°C-45°C during charging and 0°C-40°C during discharge, otherwise it may cause fire and explosion.

[10] Do not disassemble the product at will. If the product needs to be repaired or maintenance, please find a qualified repairer.

[11] Improper use, falling or excessive force may cause damage to the product.

[12] When disposing of used batteries, please separate batteries of different electrochemical systems.

[13] In case of fire, do not pour the extinguisher can be used or immersed in water.

[14] Be sure to keep the product away from fire and heat sources.

2. Specifications

General Information

Product Dimensions: 395*215.2*269(L*W*H)mm
Net weight: 7.5kg(16.54lbs)
Battery capacity: 1024Wh (Lithium iron phosphate)
Wi-Fi: Support
Bluetooth: Support
UPS: Uninterruptible power supply): Support

Input Ports

AC Input: 120~240V~ 15A Max, 2,200~2000~15A Max
Solar Input: 12V~150V~10A, 1500W Max
Car Charger Input: 12V/24V~3.5A

Output Ports

AC Output: 100~240V,50/60~,2000W Max (Surge:4000W)
USB-A:5V,3A/9V,2A/12V,1.5A
USB-A*3: 5V~2.4A, 5V~1.5A, 5V~1.0A, 2000 Max
USB-C*3: 5V~5A,9V~5A, 20V~5A, 2000 Max
DC Output: 12V~10A, 120W Max
Car port: 12V~10A,120W Max

Battery Info

Battery type: LFP (Lithium 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°C - 40°C (32°F - 104°F)
Discharge Temperature: -20°C -40°C(-4°F - 104°F)
Storage Temperature: -20°C -40°C(-4°F -104°F) recommend 20-30°C
Operating humidity range: 20 - 90%

Certification

3.User guide

3.1 Product appearance introduction

3.2 Introduction of Display (Touch) Icons

Number	Function Introduced	Number	Function Introduced
1	Battery percentage	10	DC connect status
2	Input power	11	KEY output icon
3	Output power	12	AC connect status
4	Mains frequency display	13	UPS active
5	Remaining time display	14	Battery parallel icon
6	Fast charge icon	15	Fan operating
7	Mains charge icon	16	Power saving mode
8	Output overload icon	17	Bluetooth Icon
9	High temperature warning icon	18	WiFi icon

3.3 AC charging

The AC power of the product adopts HF PORMER Fast charging technology, and the charging power can be adjusted through the AC charging Full Mode Switch(Switch Mode). The maximum power of Fast Mode can reach 2000W, (the maximum input of charging in Standard Mode can reach 1000W, Mute Mode 500W.)(all adjusting technology is active mode. The Brilliant power of Fast charging is Mute Mode, and the charging power is adjustment needs to be set in the mode switch of the APP. Mute Mode 500W, Fast Mode 2000W.

When the AC power is turned on, the AC output port is turned on by default, and the power is turned off when the AC power is turned off. The AC power consumption of the product is very low, and the power consumption of the product is less than 0.5W when the AC output port is turned on, and the power consumption is less than 0.1W when the AC output port is turned off. The AC power consumption of the product is very low, and the power consumption of the product is less than 0.5W when the AC output port is turned on, and the power consumption is less than 0.1W when the AC output port is turned off. The AC power consumption of the product is very low, and the power consumption of the product is less than 0.5W when the AC output port is turned on, and the power consumption is less than 0.1W when the AC output port is turned off.

Please use the original standard AC charging cable of the product, ALLPOWERS will not bear any responsibility for the damage caused by the use of non-standard charging cables. Please ensure that the power cable is in the rated power output. It is not recommended to use the power cable with the power cable at the same time, pay attention to whether the household fan can bar. (16~230~240V, 2A~230~240V.)If the above conditions are met, please switch to standard mode or mute mode for charging.

3.4 Solar Charging

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

To avoid the power/voltage from a slow collapse, please charge it within 24 hours when the power is less than 5%.

3.5 Solar charging

When using the product for solar panel charging, please connect according to the user manual specifications.

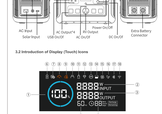
Before connecting the solar panel please confirm that the output voltage specification of the solar panel is within the range, the maximum current is 10A, and the maximum charging power is within 1000W.

3.5 Smart Extra Battery

This R2500 can use ALLPOWERS Extra Battery for capacity expansion to meet larger capacity needs. Users can purchase the extra battery and connect it to the product through the extra battery port on the user manual.

When the battery is connected to the connector state, the rated maximum output power does not change, only the battery capacity is supplemented.

Please use the connection cable provided by our company for connecting to avoid damage to the product. Users can connect the power station capacity as shown in the figure.



3.6 UPS function (uninterruptible power supply)

This product supports UPS (Uninterruptible Power Supply) function. You connect the power grid and the product to the AC input port, and the product will automatically switch to battery power when the AC output port of the product is used as the backup. When the AC power comes from the power grid, not the battery. When After the power grid is suddenly cut off, the product can automatically switch to the battery power supply within 20 milliseconds, so that the connected electrical equipment can still work normally. Users can use mobile devices, lamps, refrigerators, etc. to ensure the normal operation of the power grid. If the power failure lasts for operate normally or make a lot if the operation is not in accordance with the instructions, our company will not be responsible for the loss of the product and the user.

Note: 1.When AC charging and AC output at the same time, the UPS function can automatically turn on or off in the UPS function.

2.When the UPS starts, the maximum power of the AC output ports should not exceed 1500W when the battery is fully charged, and the maximum power of the AC output ports should not exceed 1000W when the battery is low. If the power of the AC output ports exceeds the rated power, the UPS function will be turned off in the power to the devices at the same time and the power station consumes 0.5% of the power and turn off the AC output.

When fully charged, the power grid supply directly supplies power to the device.
Power on
The electrical appliances
Power off
Power on
The electrical appliances
Power off
AC Input
AC Output
Power Grid
Power Grid
AC Input
AC Output
Power Grid
Power Grid
AC Input
AC Output
Power Grid
Power Grid