ALLPOWERS

Portable Power Station

P300 V1.0

ALLPOWERS VOLIX P300

CATALOGUE

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ALLPOWERS

便携式储能系统

ALLPOWERS VOLIX P300

*本手册中所用产品为样品说明，请以实际产品为准。本公司保留对本手册内容更改的权利恕不通知。

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1.安全须知

本产品采用磷酸铁锂电池作为动力来源，请遵守以下安全指南，以确保安全使用和最佳性能。

1.请勿在可燃或高热环境附近操作产品，以避免潜在火灾或爆炸风险。

2.请勿拆解、刺穿、挤压、改装或短路电池。切勿将电池投入火中或暴露于高温环境。

3.为确保安全和性能，请使用随附或推荐的充电器。使用未经认证的充电器可能会导致过热、起火或爆炸等风险。

4.请将产品存放在干燥、通风良好的室内，远离热源、火源和易燃物品。

5.请定期检查电池外观，如发现变形、漏液或异常发热，请立即停止使用并联系客服。

6.请勿将产品暴露在雨水、海水或腐蚀性液体中。

7.请定期为电池充电，以保持电池活性。长期未使用时，请将电池电量保持在50%-80%之间。

8.请勿将产品暴露在极端温度环境中使用或存放。

9.请勿将电池放置在儿童或宠物可接触到的地方。

10.请勿在产品表面放置重物，以免压坏内部电池组。

11.请定期检查设备外观，如发现损坏或异常情况，请立即停止使用并联系客服。

12.请勿在潮湿环境中长期存放，以免影响电池性能。

13.请在产品表面保持干燥，以确保安全使用。

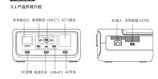
2.规格参数

基础参数	
产品名称	VOLIX P300
净重	3.57KG
尺寸（WxDxH）	290 x 210 x 125mm
输入功率	
AC输入功率	1220~2400V~2A Max 50Hz
太阳能输入功率	MPPT(1)：20V~60 110W Max
车载输入功率	12V/24V 110W Max

输出功率	
AC输出(1)	220-240V 额定功率3000W（峰值功率 6000）
USB-A输出(2)	5V~2A/9V~2A/12V~1.5A,24W(2)
USB-C输出(3)	5.5V/12.5V~2A,5V~3A,100W Max
车充(2)	12V~10A 120W Max
AC+DC车输出	3000W Max
电池性能	
额定容量	2560Wh 12.8V~204h
电池类型	LFP磷酸铁锂
循环寿命	4000次循环后，容量为初始容量的80%(25°C)
保护类型	高温保护、低温保护、过充保护、过放保护、过电保护、短路保护、过压保护。
工作温度	
充电温度范围	0°C~40°C
放电温度范围	-10°C~40°C
存储温度范围	-20°C~45°C(建议25°C~30°C最佳)
工作湿度范围	10%~90%
通用	
通信方式	蓝牙
认证	
CE RoHS FC IC Ⓒ Ⓤ Ⓚ UN38.3	

3.使用指南

3.1 产品外观介绍



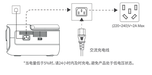
3.2 显示屏图标介绍

编号	功能介绍	编号	功能介绍
1	电量百分比	9	充电工作指示
2	AC输出模式	10	DC指示灯
3	剩余时长/放电时长	11	AC指示灯
4	输入功率数	12	EC灯等模式指示
5	输出功率数	13	UPS指示灯
6	输出过载指示	14	高温警报灯
7	静音模式指示	15	低温警报灯
8	快充模式指示	16	温度数据指示

3.3 交流电

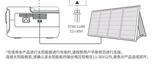
本产品交流充电采用AC-POWER快充技术，充电功率大小可通过交流充电模式/标准模式/静音模式进行切换，保证充电速度入场/交流100W/标准模式下充电最大输入可达200W/静音模式下最大输入交流100W。后面板支持电源/充电入场/交流开关，长按3秒关闭交流充电功能，关闭后只外接交流入场/交流充电功能。

*交流充电功能默认开启，关闭后将无法通过交流充电口为产品充电。



3.4 太阳能充电

本产品支持太阳能充电，请参考以下步骤进行连接：



*安装有关产品设计方案指南请参考官网P300。

3.5 UPS功能(不间断电源)

本产品支持UPS不间断电源功能，确保在电池电量高于20%时，当市电断电时，产品将立即切换至电池供电，以保证设备持续运行。为确保稳定性，请勿在市电恢复后立即重启产品，建议等待几秒钟后再启动设备。

3.6 APP使用

3.6.1 APP下载：

扫描手机的APP下载二维码下载并安装APP

3.6.1.1设备连接蓝牙

①确认设备处于开机状态；

②在手机APP上点击左侧菜单栏的设备管理，进入设备管理界面；

④选择对应设备，并点击连接；

⑤连接成功后设置设备名称至少3个字符。

3.6.1.2 APP主页

3.6.2 手机APP使用说明

1. 相应设备基本操作说明

2.相应设备管理外观

①传电功率工作模式设置：可以设置为快充模式，标准模式，静音模式。

②节电模式开关：可以设置AC灯及显示屏在10分钟内处于熄灭状态或在5分钟、20分钟、40分钟后自动关闭。

4.常见问题

1.产品使用什么类型的电池？

本产品使用高品质磷酸铁锂电池。

2.产品可以连续使用吗？

本产品可连续使用，但建议定期检查电池状态。

3.产品可否用电过度时保持输出？

本产品可在用电过度时保持输出，但建议减少负载以防止过热。

4.怎样判断产品是否电量充足？

本产品可通过显示屏或APP实时监测电量，以确保设备运行稳定。

5.怎样判断产品是否电量不足？

当电量低于20%时，建议及时充电，以确保设备正常运行。

6.怎样判断产品是否电量已满？

当电量达到100%时，表示电池已充满，可以安全使用。

7.怎样延长产品使用寿命？

避免过度放电，定期保养电池，并在长期不使用时保持电量在50%左右。

8.如何检测产品？

通过APP或显示屏查看产品状态，包括电量、输入功率、输出功率、温度等信息。

5.故障代码及解决方案

故障码	故障类型	故障恢复方法
E103	充电高温保护	关闭输入
E104	充电低温保护	关闭输入
E105	放电高温保护	关闭输出
E106	放电低温保护	关闭输出
E202	过载保护	关闭输出
E203	短路保护	关闭输出
E204	温度保护	关闭输出
E301	MPPT输入过压	关闭输入
E302	MPPT输入欠压	关闭输入
其他故障码	xx为故障编号，详情请咨询客服	

6.维保内容

7.附件

在使用本产品之前，请确保本产品的配件齐备，以保证在充电过程顺利进行。请检查包装盒内的产品，确保所有配件完好无损。如发现配件缺失或损坏，请联系客服以获取更换或补充。

本产品不提供可更换的配件，所有设备维修或更换均需通过官方渠道进行。请勿自行拆卸或更换内部组件，以免影响设备的安全性和保修资格。

本产品不提供可更换的配件，如需更换或维修，请联系客服以获取官方支持。请勿自行拆卸或更换内部组件，以免影响设备的安全性和保修资格。

8.售后政策

9.联系我们

如需进一步了解产品信息或有任何疑问或需要帮助，请联系我们：support@allpowers.com

我们的官网：www.allpowers.com

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 this manual.

Contents

1. Safety Instructions …… (3)
2. Specifications …… (3)
3. Product Appearance …… (4)
4. Common Problems …… (5)
5. Fault Display and Handling …… (5)
6. Maintenance …… (6)
7. Accessories …… (6)
8. After-sales Service …… (6)
9. Contact Us …… (6)

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. Do not disassemble, puncture, crush, or close-circuit the battery. Do not put your fingers into the product, otherwise it may cause electric shock or other dangers.

3. Do not use the AC, interface with metal, otherwise it may cause electric shock, fire and other dangers.

4. Do not block the product vents during charging or using the product, otherwise it may cause overheating and damage to the product.

5. Do not expose the product to rain or snow.

6. Do not use this product in strong static electricity or strong magnetic field environments. Strong static electricity or strong magnetic field may affect the product's normal use and ensure any responsibility for damage caused by third-party equipment.

7. Do not disassemble the product at will. If the product needs service or repair, please contact the manufacturer or authorized repair personnel to avoid safety risks.

10. Improper use, dropping or overuse may cause damage to the product.

11. When dispose of used batteries, please separate batteries of different electrochemical systems.

12. In a case of fire, use a dry powder fire extinguisher or sinnerus in water.

13. Keep this product away from fire and heat sources.

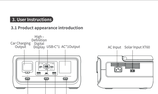
2.Specifications

General Information	
Product name	VOLIX P300
Net weight	3.57KG（7.87lbs）
Dimensions (WxDxH)	290x210x125mm（11.2x8.2x4.9 inch）
Input	
AC input	220~240V~4A 50/60Hz
Solar input power	MPPT(1)：20V~60 110W Max
Car Charger Input	12V/24V 110W Max

Output	
AC output X1	100-120V/220-240V 200W Max (Surge6000W) US 110-120V@AC,CN 220V@2.7A, EU 230V@2.6A, AU 240V@2.5A(Max.)
USB-A output X2	5V~2A, 9V~2A, 12V~1.5A, 24W(2)
USB-C output X1	5.5V/12.5V~3A, 20~5A, 100W Max
Car charger port	12V~10A 120W Max
AC+DC total output	3000W Max
Battery Specifications	
Rated capacity	2560Wh 12.8V~204h
Battery type	LFP (Iron 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, overload 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~45°C（25°C~30°C is recommended）
Working humidity range	10%~90%
Communication	
Communication model	Bluetooth
Certification	
CE RoHS FC IC Ⓒ Ⓤ Ⓚ UN38.3	

3. User Instructions

3.1 Product appearance introduction



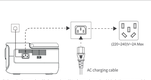
3.2 Display Icon Introduction

Number	Function Introduction	Number	Function Introduction
1	Battery Percentage	9	Fan Working Indicator
2	AC Output Mode	10	DC Indicator
3	Remaining Time, Time Used	11	AC Indicator
4	Input Power	12	EC Energy Consumption Indicator
5	Output Power	13	UPS Indicator
6	Output Overload Indicator	14	High - Temperature Alarm Indicator
7	Mute Mode Indicator	15	Low - Temperature Alarm Indicator
8	Fast - Charging Mode Indicator	16	Bluetooth Connection Indicator

3.3 AC Charging

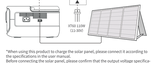
This product uses AC-POWER fast charging technology for AC charging. The charging power can be controlled by AC fast charging mode standard mode/silent mode. The maximum input for fast charging can reach 200W, the maximum input for standard mode/silent mode AC charging is 100W. The battery pack can reach 100%, 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 "5.7 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. Please connect directly to the mains socket. 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 (12-30V to avoid damage to the product.

3.5 Function UPS (Uninterruptible Power Supply)

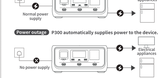
This product supports UPS (uninterruptible power supply) function. Connect the power supply to the AC port, and the AC output port will supply power to the load. The electrical appliances can use the AC output port of this product to work. the AC power comes from the power grid, not the battery. When the power grid suddenly loses power, this product can automatically switch to the battery power supply to ensure the stability of the equipment. Please avoid restarting the 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 is automatically turned off. If the AC output is not turned off when using the UPS function, pay attention to whether the household circuit can maintain a 10A current.

*When the battery level is lower than 0%, please charge it within 24 hours to avoid the product being in a low voltage state.

3.6 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 (12-30V to avoid damage to the product.

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

3.6.2 Bluetooth connection energy storage

①Confirm the field icon above on the mobile phone APP to enter the Bluetooth interface;

②Click Next to scan and search for device;

③Select the corresponding device and click to connect;

④After 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, 8 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?

The product uses high-quality lithium iron phosphate batteries.

2. What devices can be connected to the AC outlet of the product?

The product's AC output port can support most electrical appliances. Power is 3200W (that is, it supports instant 6000W (Surge) surge) Fast Device with a peak power of no more than 6000W. It can power most household appliances, but it is recommended that you confirm the power of the device to avoid overloading, 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 product can be used continuously for long periods, but the battery life and lifetime can be estimated for devices with stable power consumption.

4. How to judge whether the product is in charging state?

The screen will display the current charging status and remaining time, the power indicator will be outside the battery power percentage will have a rotating animation effect, and the AC indicator will be lit when charging.

5. How to clean this product?

Use a dry cloth or a small amount of paper towel to wipe this product.

6. How to store this product?

When storing, please turn off this product first, and then store it in a dry, ventilated place at room temperature. Avoid direct sunlight and high temperature environments. If the product is stored for a long time, it is recommended to discharge the battery to 50% and then charge it to 80% every three months to extend the service life of this product.

7. Can this product be taken on an airplane?

Yes.

8. Can it be charged and discharged at the same time?

Yes, this 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 will be slightly lower than the rated 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. Will the product lose the factory settings?

The factory preset control 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 "AC OUTPUT"+"DC OUTPUT" button for 3 seconds at the same time until the prompt sound sounds.

5. Fault Display and Handling

The fault code is displayed in position 11 of the display screen. The corresponding fault type and recovery method are as follows:

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
E204	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 are correctly after fully understanding it. If you do not operate this product correctly, you may cause damage to the product or cause personal injury. Please operate this product strictly in accordance with the product. It is deemed that you have understood, recognized and accepted all the terms and conditions of this manual when you start operating this product. The company will not bear any losses or consequences arising therefrom. ALLPOWERS does not bear any losses caused by the user's failure to use the product in accordance with this "User Manual".

In compliance with laws and regulations, our company reserves the final right of interpretation of this manual and the right to modify the contents of this manual without prior notice. If there is any inconsistency between the manual and the actual product, 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, lifeline communication equipment, nuclear power control equipment, medical equipment, etc. Please make sure whether it is suitable before use. If the product is used in special fields and causes personal injury or property losses, we will not be responsible for any personal injury, fine or equipment failure.

Does Product kit sold for Europe not when factory. Zusätzlich/Extra: Lieferung mit Schuko-Steckern (Typ F) und Anleitung in deutscher Sprache. Furthermore/Inoltre/Además/Ainsi/Verder/Dessuten/Ayrıca, mentionne/ha menzionato/ya sea/Bien/Por lo tanto/Ayrıca/Ayrıca/Ayrıca