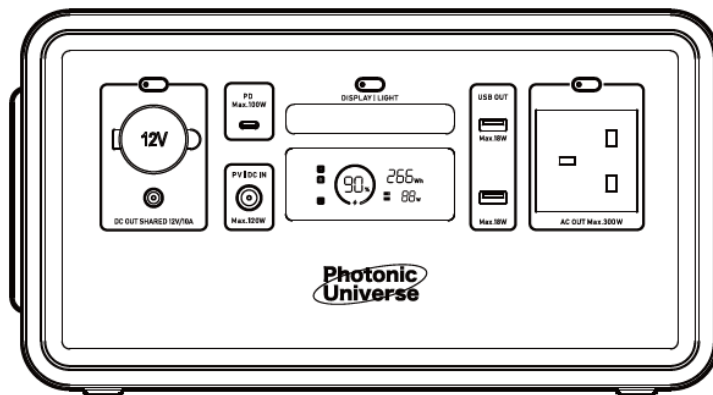


**Photonic
Universe**

P300S

Power Station Instruction Manual



Attention! This manual is generally used in energy storage system products with an AC output range of 100-230V/50Hz-60Hz. The actual specifications of the product, especially the AC output, will be customized according to different countries, regions and users. Please read this manual carefully before using this product.

Display / Light switch

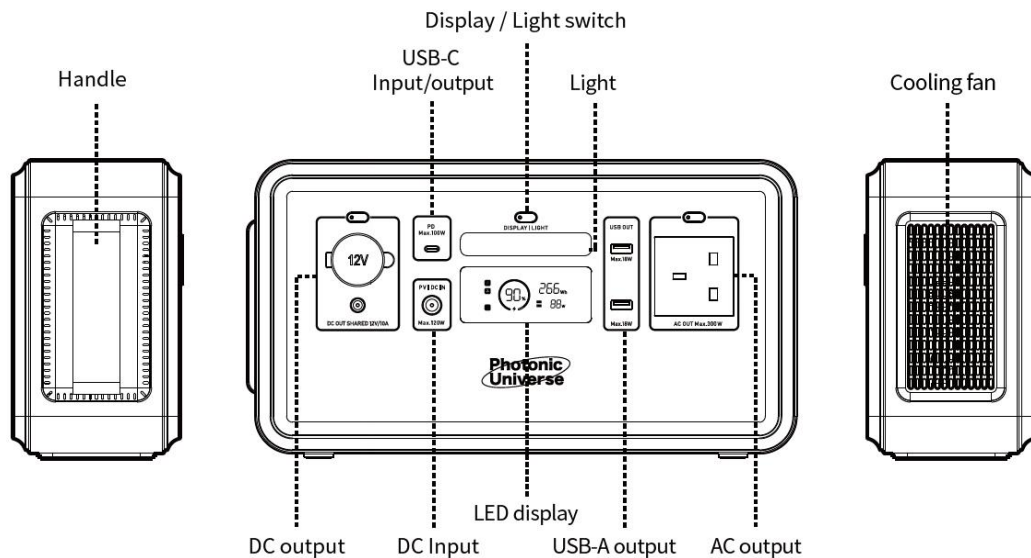
Short press to control LED display on/off
Long press 2s controls LED light on/off

Input

1. DC: 120W Max.(12-24V)
2. USB-C: PD 100W
3. Car Charger: 100W(12-20V)

Output

1. USB-C: PD 100W
2. USB-A 1/2: 18W
3. Car Charger/DC Output shared 120W
4. AC: Stable at 300W
Peak at 500W



Chargeable device

USB Output: Smartphone, Smartwatch, Digital Camera, E-reader, Tablet, etc.

12V Car charger Outlet: Light, Car Adaptor, etc.

AC Output: Laptop, LED screen, Household appliances, etc.

AC Output:



LED lights
12V/5W
(50 h)



Camera
16WH
(15 times)



Laptop
60WH
(4 times)



TV
110W
(2 h)



Drone
60WH
(4 times)



Fan
45W
(5.5 h)

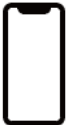


Blender
250W
(1 h)



Projector
100W
(2.5 h)

USB Output:



Smartphone
3095mAh
(18 times)



Gaming console
4310mAh
(15 times)



Tablet
28.65Wh
(8 times)

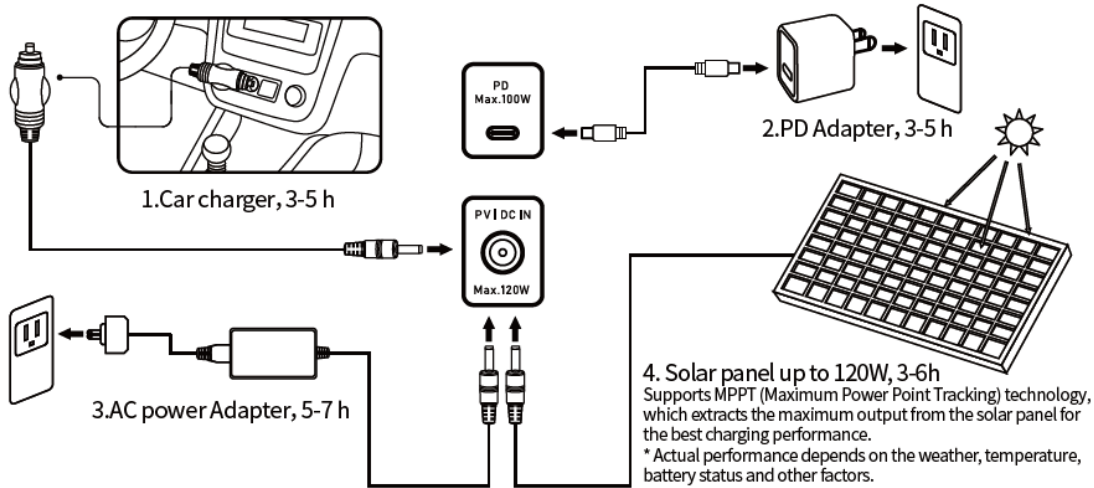
DC Output



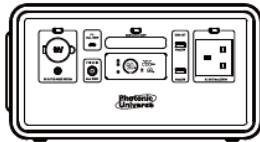
Car charger
Outlet Car
refrigerator
65W (3.5 h)

Charging Method

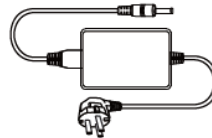
Before using or storing the product, please charge it with the charger. When connected to the mains for charging, the indicator light of the charger is on, and the LED screen will display the current charging ratio. When the LED screen shows that the power is 100%, it means full. The current battery level can be checked through the LED screen.



Packing list



Power station



AC power adapter



User manual

Warranty and contact information

This warranty covers defects in materials and workmanship under normal use of the product. The warranty described herein is the sole and exclusive warranty for this product. We do not authorise anyone else to provide additional warranties or assume any other responsibility.

Warranty period

The product warranty period is 1 year. In all cases, the warranty period starts from the date of purchase. Proof of purchase and other supporting documents, information and checks may be required.

The following conditions are not covered under the warranty:

1. Damage to the product occurring after use.
2. Unauthorised disassembly, modifications or repairs performed on the product.
3. Performance issues caused by misuse or negligence.
4. Damage caused by humidity, contact with water or liquids, corrosive substances, heat, damage resulting from natural disasters, lightning strikes, accidents, or other abnormal events.

How to get the warranty service

Please contact us by phone or email with as much information about the problem as possible, including photo and video materials if applicable. For any eligible warranty issues, our technical team will provide a Return Merchandise Authorisation (RMA) and return instructions for the product, including the address where the product can be returned for the warranty service.

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Kent, BR5 3QB, United Kingdom
Tel: +44 (0) 203 150 11 11
Email: info@photonicuniverse.com

v. 1.1 Made in China

RoHS



UK
CA













Use Instructions












How to use it:

1. Press the switch next to each port you will use.
2. When the indicator light next to the port is on, the output is turned on, and the corresponding device can be used.
3. AC Output is stable at 300W (peak at 500W). If the product is used beyond the maximum power, the power supply will be automatically turned off to protect the product during overload use.
4. Press ON/OFF button to turn the output on and off.
5. If the product is not used for a long time, it should be recharged every three months. It is better to keep the level of charge at 60%-80% (rather than 100%) and store it in a cool and dry place.

Attention! If the AC port is not in use, please turn it off to save power.

Specifications

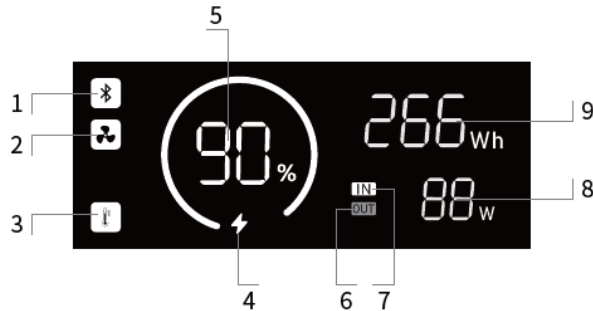
 Capacity	 Weight	 Dimension	 DC Input	 Solar Input	 USB-C IN/OUT	 Car charger Output	 DC Output	 USB-A Output*2	 AC Output
294.4Wh (23000mAh/ 12.8V)	4.3kg	340*105* 185mm	DC 60W (20V)	DC 120W (12-24V)	PD100W	120W	12V/120W	18W Max.	Stable at 300W Peak at 500W

 Battery Cell	 Cycle times	 Storage Temperature	 Operation Temperature	 Charging Temperature	 Protect system	 Bluetooth	 Warranty	 Compliance
LiFePO4 Battery	3000times	-10-45°C	-10-40°C	0-40°C	Overcharge protection, Over-discharge protection, Overcurrent protection, Over temperature protection, Short circuit protection, Overvoltage protection.	Bluetooth 5.0 with App	12 months	CE   RoHS

LED Screen Instructions

The LED screen of this product displays the product usage status. When the product is fully charged, the LED screen turns off and stops charging. When any function is activated, the screen will light up. When the screen display is not needed, you can press the button to turn off the LED screen.

- 1.The Bluetooth logo
- 2.Fan identification
- 3.Temperature alarm
- 4.Charging status display
(Blinking: charging medium/Steady on: full)
- 5.Power display
- 6.Output status display
- 7.Input status display
- 8.Output power/Input power
- 9.Battery capacity

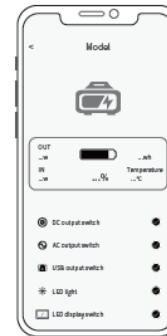


APP Instructions

- 1.Download the app Power One from Google Play or App Store.
- 2.Press the screen button.
3. Turn on the permission of the mobile device: For Android, turn on the bluetooth and location permission; For IOS system, turn on the bluetooth.
4. Open the APP and choose the device as shown in Picture 1.
5. Use the APP to monitor and control the power station. The APP allows turning on and off various functions of the device such as the USB port, car port and the AC output as shown in Picture 2.



Picture 1



Picture 2

Operating temperature range:

Low temperatures may reduce the battery capacity of the product. The product can be charged within a temperature range of 0°C to 40°C. If charging is required at temperatures below 0°C, first place the product in a warm environment before connecting it to a power source (AC or solar). If the product is used to power other devices, it can operate in temperatures ranging from -10°C to 40°C.

Frequently asked questions

What is the battery type?

LiFePO₄ Battery.

Can the product be taken on the aircraft?

No, this is generally not permitted. Most airlines prohibit lithium batteries with capacities over 100Wh from being carried on board.

How to estimate the working time of the product?

The LED display of this product can help you better understand the working status of the power supply.

When the IN (input terminal) in the screen is on: it means the product is charging.

When the OUT (output terminal) in the screen is on: it means the product is in the discharging state.

You can recognize the remaining working time of the product by the battery percentage in the display.

Chemical composition of toxic and harmful substances

Part Name	Toxic and harmful substances or chemical elements						
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE	
Product shell	0	0	0	0	0	0	O: The content of hazardous substances in homogeneous materials all components are limit requirement specified in GB / T 26572. X: The content of hazardous substance in at least one of the average materials of the part exceeds the limit requirement of GB-T 26572, and there is no mature alternative in the industry at present, which meets the environmental protection requirements of the EU RoHS directive. This information for reference purposes only and does not represent a binding agreement. Product (Colour, Size, OSD, etc) in kind prevail.
Circuit module	X	0	0	0	0	0	
button	0	0	0	0	0	0	
Small hardware	0	0	0	0	0	0	
Charging Cable	0	0	0	0	0	0	
Battery	0	0	0	0	0	0	

Fault diagnosis

If the product is not able to power your device, please follow the steps below:

- 1.Ensure that the output port is turned on, and the LED indicator on the power button is on.
- 2.Check the battery capacity on the LED display. If it is 20% or less, please charge the product.
- 3.The power of the device you are using exceeds the maximum power of the port of the product.
- 4.The cable connecting your device to the product is not plugged in properly or has poor contact.

Solar photovoltaic panels:

When using solar PV panels, please ensure that the open circuit voltage of your solar panel (Voc) and the maximum power (Pmax) is within the acceptable input range as per the specifications of this power station. This product uses MPPT (Maximum Power Tracking) technology, which can extract the highest efficiency from the solar panel in various light conditions.

AC adapter:

The product must be charged with the AC adapter supplied in the package. We will not be responsible for any consequences caused by charging with other adapters.

Important safety information

Warning!

Please note the following safety precautions.

- A. Do not make a short-circuit. Please avoid storing the product together with metal objects, such as coins, jewellery, keys, etc.
- B. Do not expose the product to liquids or heat, such as putting it close to the fire or next to an engine, leaving it in the rain, placing it under direct sunlight etc.
- C. Do not place the product in a highly humid or dusty environment.
- D. Do not disassemble the device in any way.
- E. Do not drop, put heavy objects on or strongly impact the product.
- F. Please always place this product in a location where it cannot be reached by people who lack experience and relevant knowledge, unless there is supervision or guidance by personnel responsible for their safety.
- G. Please ensure the product cannot be accessed by children.
- H. Do not cover the product (such as with towels or clothing) when using or charging it.
- I. The product may get hot when it is being charged. This is normal but you must exercise care.
- J. Do not leave this product without charge for an excessive period of time.
- K. Please disconnect your device from the product when the power is no longer needed.
- L. Never use damaged cables or sockets, and never touch any live conductors to avoid an electric shock.
- M. Please dispose of the product according to the local regulations. Never put it into the general rubbish, to avoid an explosion and pollution.
- N. The product is only used for emergency power supply. It cannot replace standard DC power supply or AC power supply for household appliances or digital equipment.