140mm

180mm

S2000PRO V3.0

# Portable Power Station

Model:S2000PRO

1.Keep S2000 Pro and the accessories dry and keep them away from heat sources.
2.Do not disassemble the product, except for maintenance and repairs.
3.Recycle and dispose of S2000PRO in accordance with local regulations.
4.Pay attention to the IMPORTANT SAFETY INSTRUCTIONS in manual before operation.
5.Unauthorized and children should not touch S2000 Pro under the protection of the supervisor.

The products and materials described in this manual will be changed at any time due to technical upgrades,we reserve the right to change the contents of this manual without inform in advance.



## CONTENTS


1. Safety Instructions ..... (3)
2. Specifications ..... (3)
3. User Guide ..... (5)
3.1 Product Appearance Introduction ..... (5)
3.2 Introduction of Display (Touch) Icons ..... (5)
3.3 AC charging ..... (6)
3.4 Solar Charging ..... (6)
3.5 UPS Function (Uninterruptible Power Supply) ..... (6)
3.6 APP Operation Guide ..... (6)
4. FAQ ..... (11)
5. Troubleshooting ..... (12)
6. Package Contents ..... (13)
7. Statement ..... (13)
8. Contact US ..... (13)




## 1.Safety Instructions

This product is an power station battery, please make sure to take basic precautions, be sure to take safety measures:

1. Be sure to operate the product in a dry and well ventilated place, and if it gets wet, dry it thoroughly before use.
2. To reduce the risk of injury, close monitoring is required when using this product near children.
3. Do not stick 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. Do not use the product to rain and snow.
7. It is forbidden to use the product in the environment of strong static electricity or strong magnetic field.
8. Please use the cable specially designed for the product, the company does not assume any responsibility for the damage caused by the third party equipment.
9. Do not disassemble the product at will. If the product needs service or maintenance, please find a professional.
10. Improper use, falling or excessive force may cause damage to the product.
11. When discovering of used batteries, please separate batteries of different electrochemical systems.
12. In case of fire, dry powder fire extinguisher can be used or immersed in water.
13. Be sure to keep the product away from fire and heat sources.

## 2.Specifications

**General Information**

Net weight: Approximately 13KG(28.6lbs)
Size: 315*310*200mm(L*W*H)(14*9.84*7.87in)
Battery capacity: 1401.6Wh(1.4KZ(V=33.6Ah)

Bluetooth: Unlimited
UPS (Uninterruptible Power Supply): Unlimited

**Input Ports**

AC Input: 100~120V/220~240 50/60 Max. (220~240V=10 1500W Max 50Hz/60Hz)
Solar Input: (12~150V)<10A, 1000W Max
Car Charger Input: 12V/24V DC

**Output Ports**

AC Output: 100~120V/220-240V 2400W Max (Surge 4000W)
*When the battery drops to 40%, the rated AC output is 2000W Max.)
USB-A 1: 5V=2.4A, 12W Max
USB-A Fast charge (2): 5V=3A/9V=2A/12V=1.5A,18W Max
USB-C 1: 5V=3A/9V=2A, 20V=5A, 100W Max
Car port: 12V=10A,120W Max
AC+DC Total Output: 2700W Max

**Battery Info**

Battery type: Lithium battery
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**

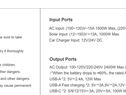
Charge Temperature: 0°C ~ 40°C (32°F ~ 104°F)
Discharge Temperature: -10°C ~40°C(14°F ~ 104°F)
Storage Temperature: -20°C ~45°C 4°F ~ 104°F)*recommend: 20~30°C
Operating humidity range: 10 ~ 90%

**Certification**

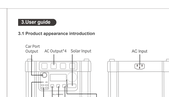


## 3.User guide

### 3.1 Product appearance introduction




### 3.2 Introduction of Display (Touch) Icons

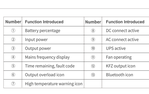





| Number | Function Introduced | Number | Function Introduced |
|---|---|---|---|
| ① | Battery percentage | ⑦ | DC connect active |
| ② | Input power | ⑧ | AC connect active |
| ③ | Output power | ⑨ | UPS active |
| ④ | Mains frequency display | ⑩ | Fan operating |
| ⑤ | Time remaining, fault code | ⑪ | KFZ output icon |
| ⑥ | Output overload icon | ⑫ | Bluetooth icon |
| ⑦ | High temperature warning icon | | |

### 3.3 AC charging

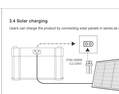
Please use the original standard AC charging cable of the product, ALLPOWERS will not bear any damage caused by the use of other unofficial charging cables, please be careful to purchase. Please connect directly to the wall power socket. It is not recommended to go through the extension power socket, which may affect your attention to whether the household line can bear it. (2K-2200 W)
(2K-2200 W), if the above conditions are met, please charge in a suitable power source for charging.






### 3.4 Solar charging

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




When using the product to solar panel charging, please connect according to the user manual specifications.
Before connecting, the solar panel parameters must be confirmed to ensure that the open circuit voltage of the solar panel is within 150V, the maximum current of 10A, and the maximum charging power is within 1000W.

### 3.5 UPS function (uninterruptible power supply)

This product supports UPS (Uninterruptible Power Supply). You connect the power grid and the AC input port of the product through the AC charging cable, and the electrical appliance can use the AC output port of the product to work (at this time, the AC power comes from the power grid, not the battery). When the power grid is interrupted, the product will automatically switch to battery power to ensure the power supply mode of the product within 10ms. It is recommended to use only one device during use, and do not use multiple devices at the same time to avoid overload protection of the product. If the power station fails to operate normally or data is lost if the operation is not in accordance with the instructions, our company does not assume the corresponding responsibility.
*The AC charging and PV output active, the UPS function can automatically light up to activate the UPS function.
2. To ensure the UPS works, the maximum power of the AC output port should not exceed 1500W when the battery is fully charged, and the maximum power of the AC output port should not exceed 2000W when the battery is low. The maximum charge current is 10A (1000W). Otherwise, the mains and the power station will supply power to the devices at the same time until the power station consumes to 0% of the power and turns off the AC output.



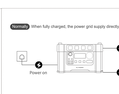
### 3.6 APP operation guide

3.6.1 APP download
Use your cellular mobile phone to scan the QR code below to download and install the APP

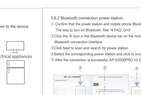
IOS Android



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




3.6.2 Bluetooth connection power station:
① Confirm that the power station and mobile phone Bluetooth are turned on.
The way to turn on Bluetooth: See 1.4.(a) QQ?
② Click the ⊕ icon in the Bluetooth device bar on the mobile APP to enter the Bluetooth connection interface.
③ Click Next to scan and search for power station
④ Select the corresponding power station and click to connect
⑤ After the connection is successful, AP S2000PRO V3.0 will be displayed in the Bluetooth device bar





3.6.3 Mobile APP Operation Instructions

## 4.FAQ

**Q1. What type of battery does the product use?**
The product use high-quality Ternary lithium battery.
**Q2. What is the AC output power?**
The AC output port of this product has a rated power of 100V-120V 2400W (peak 4000W) or 220V-240V 2400W (peak 4000W), which can supply power to most household appliances. Please pay attention to the power of the electrical appliance you use and ensure that the sum of the power of all load devices is less than the rated power.
**Q3. How to know how long the product can supply power?**
The LCD screen of this product has a rated power output of 100V-120V 2400W (peak 4000W) or 220V-240V 2400W (peak 4000W), which can supply power to most household appliances. Please pay attention to the power of the electrical appliance you use and ensure that the sum of the power of all load devices is less than the rated power.
**Q3. How to know how long the product can supply power?**
The LCD screen of this product will display the remaining battery power, which can be estimated for devices with stable power consumption.
**Q4. Why does the battery not charge?**
When charging, the LCD screen will display the remaining charging time, and the battery indicator circle outside the battery percentage has a breathing animation effect.
**Q5. Why is the fan always on?**
When this product with a dry, soft, clean cloth or paper towel.
**Q6. How to store the product?**
Please charge the battery of the product to the rated power first, and then store it in a dry, ventilated place with room temperature. Do not place this product near a fire. For long-term storage, it is recommended to discharge the battery to 30% and recharge to 60% every three months to ensure the battery life and performance.
**Q7. Can this product be charged via the car?**
Yes.
**Q8. Can the S2000PRO be charged while using?**
Yes, the product supports simultaneous charging and discharging.
**Q9. Is the actual output capacity of the product consistent with the target capacity in the product specification?**
The capacity indicated in the user manual is the rated capacity of the battery pack of the product. Since the product has a certain efficiency loss during the charging and discharging process, the actual output capacity of the product is usually slightly lower than the capacity specified in the user manual, and display the input power.
**Q10. How to turn on/off the Bluetooth of the power station?**
The Bluetooth is turned on by default. When it is turned off, after turning on the device, press and hold the "DC OUTPUT" button for 3 seconds until the Bluetooth icon on the display lights up, indicating that the Bluetooth is turned on and ready. For long-term storage, it is recommended to discharge the battery to 30% and recharge to 60% every three months to ensure the battery life and performance.
**Q11. Can this product be charged in the rain?**
No.
**Q12. How to turn on/off the power station?**
The power station has a certain efficiency loss during the charging and discharging process, and the actual output capacity of the product is lower than the capacity specified in the user manual, and display the input power.
**Q13. How to turn on/off the Bluetooth of the power station?**
The Bluetooth is turned on by default. When it is turned off, after turning on the device, press and hold the "DC OUTPUT" button for 3 seconds until the Bluetooth icon on the display lights up, indicating that the Bluetooth is turned on and ready.
**Q14. How to turn on/off the beep sound of the power station?**
The beep of the button is turned on by default at the factory. Turn it on/off: After turning on the device, press and hold the "AC OUTPUT/DC OUTPUT" button for 3 seconds until the prompt sound sounds.



## 5.Troubleshooting

The fault code is displayed at the position 5 of the display screen, and the related fault type and recovery method are as follows.

| Indicator | Problem | Solution |
|---|---|---|
| E101 | Charging low temperature protection | Automatic recovery after ambient temperature recovery |
| E102 | Charging high temperature protection | Stop charging, check the product vent's is unobstructed, and automatic recovery after the temperature drops down |
| E104 | Discharge low temperature protection | Automatic recovery after ambient temperature recovery |
| E105 | Discharge high temperature protection | It is recommended to shut down and let it stand for a period of time, and it will automatically recover after the product temperature drops down |
| E107 | Total output (AC+DC) discharge overload | Remove part of the load and turn on the AC manually again |
| E110 | AC discharge overcurrent | Remove the load and turn on the AC manually again |
| E111 | AC discharge overload | Remove the load, turn on the AC manually again, and it is recommended that the load power is around the rated output power of the product |
| E112 | AC discharge short circuit | Remove the load, repair the load circuit and turn the AC manually |
| E301 | MPPT input overvoltage | Remove the solar panel, do not use a solar panel which exceeds the rated voltage range of power station to charge the power station |
| Other faults ＋ E + A, B, C, D, E, F, F, F