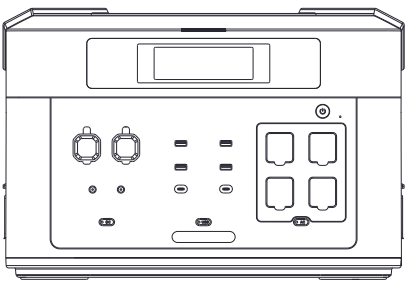
Portable Power Station
Tragbare Powerstation
Station Électrique Portable
Power Station Portatile
Central Eléctrica Portátil



BP2000

User Manual
Benutzerhandbuch
Manuel d'utilisation
Manuale d' uso
Manual del Usuario

Please read this user manual carefully before using the product to ensure you use it correctly.
To guarantee the safety of this product during transportation,it is only about 30%charged when it is packed.
Please avoid the use of extension cords or cable taps,as this product can be charged directly from wall sockets etc.When using two or more sockets for charging,please avoid using any other products on the same socket.

Bitte lesen Sie dieses Benutzerhandbuch vor der Verwendung des Produkts sorgfältig durch, um es richtig zu benutzen.
Wegen der Transportsicherheit wurde das Gerät beim Verpacken nur zu etwa 30% aufgeladen. Bitte vermeiden Sie die Verwendung von Verlängerungskabeln oder Kabelzapfstellen, da dieses Produkt direkt an Steckdosen usw. aufgeladen werden kann. Wenn Sie zwei oder mehr Steckdosen zum Aufladen benutzen, vermeiden Sie bitte die Verwendung anderer Produkte an derselben Steckdose.

Veuillez lire attentivement ce manuel d'utilisation avant d'utiliser le produit afin de vous assurer de l'utiliser correctement. Pour garantir la sécurité de ce produit pendant le transport, il est emballé avec une charge d'environ 30 %. Évitez d'utiliser des rallonges ou des prises multiples, car ce produit peut être chargé directement depuis une prise murale, etc. Lors de l'utilisation de deux prises ou plus pour la charge, évitez d'utiliser d'autres produits sur la même prise.

Leggere attentamente questo manuale d' uso prima di utilizzare il prodotto per assicurarsi di utilizzarlo correttamente.
Per garantire la sicurezza di questo prodotto durante il trasporto, viene caricato solo per il 30% circa quando è imballato. Evitare l'uso di prolunghe o prese per cavi, poiché questo prodotto può essere caricato direttamente da prese a muro, ecc. Quando si utilizzano due o più prese per la ricarica, evitare di utilizzare altri prodotti sulla stessa presa.

Lea atentamente este manual del usuario antes de utilizar el producto para asegurarse de utilizarlo correctamente.
Para garantizar la seguridad del producto durante el transporte, sólo tiene un 30% de carga en el momento del embalaje. Por favor, evite el uso de enchufes alargadores o multi-tomas, ya que la carga debe realizarse directamente desde la toma de red, etc. Cuando utilice dos o más enchufes para la carga, evite utilizar otros productos en el mismo enchufe.

ENGLISH ..... 1~16
DEUTSCH ..... 17~32
FRANÇAIS ..... 33~48
ITALIANO ..... 49~64
ESPAÑOL ..... 65~80

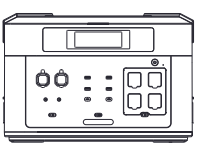
DISCLAIMERS

Before using the product, please read the user manual carefully to ensure that you fully understand it before use. After reading, please keep the user's manual in a safe place for future reference. If you use this product incorrectly, you may cause serious injury to yourself or others, as well as product damage and property damage.

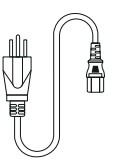
Once you use this product, you can be deemed to have understood, recognized and accepted all the terms of this manual. Users undertake responsibility for their own actions and all the consequences that may arise therefrom.

The Company does not assume any responsibility for any loss caused by users' failure to use the product in accordance with the User Guide. In order to comply with laws and regulations, The Company has the final interpretation of this document and all related documents of this product.

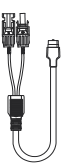
WHAT'S IN THE BOX



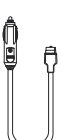
BP2000 Power Station



AC Charging Cable



XT60-MC4 Solar Charging Cable



XT60-Car Charging Cable



Starter Card



User Manual

Additional Purchase Accessories

• Smart Expansion Battery（sold separately）
Extra 2048Wh capacity, up to 7 B2000 can be connected to BP2000

• Smart Expansion Battery Cable

IMPORTANT SAFETY INSTRUCTIONS

Attention


Not permitted on aircraft.

WARNING - When using this product, basic precautions should always be followed, including the following:

• Read all the instructions before using the product.

•To reduce the risk of injury, close supervision is necessary when the product is used near children.

• Do not put fingers or hands into the product.

• Do not expose the product to rain or snow.

• Use of an attachment not recommended or sold by the product manufacturer may result in a risk of fire, electric shock, or injury.

• To reduce the risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the product.

• Do not use the product in excess of its output rating.

• Do not use the product or attachment that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.

• Do not operate the product with a damaged cord, plug, or output cable.

• Do not disassemble the product. Take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.

• Do not expose the product to fire or high temperatures.

• To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.

• Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.

• When charging a device, the product may feel warm. This is a normal operating condition and should not be a cause for concern.

• When charging the internal battery, work in a well-ventilated area and do not restrict ventilation in any way.

• Do not clean the product with harmful chemicals or detergents.

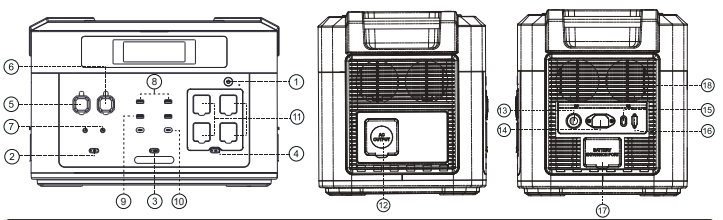
• Misuse, dropping, or excessive force may cause product damage.
• When disposing of secondary cells or batteries, keep cells or batteries of different electrochemical systems separate from each other.
• Do not use or store the power station in direct sunlight for a long period, such as in a car, cargo bed, or any other place where it will be exposed to high temperatures. Doing so may cause the product to malfunction, deteriorate, or generate heat. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
• Disposal of a battery into a fire or hot oven, or mechanically crushing or cutting off a battery, can result in an explosion.
• Leaving a battery in an extremely high-temperature environment can result in an explosion or leakage of flammable liquid or gas.
• A battery subjected to extremely low air pressure may cause an explosion or leakage of flammable liquid or gas.

SPECIFICATIONS

<table>
<tr><td>Model</td><td colspan="2">BP2000</td><td rowspan="8">Output Ports</td><td>AC Output
(5 Outlets)</td><td>Rated 2200W
(Surge 4000W)</td></tr>
<tr><td>Battery Type</td><td colspan="2">LiFePO4</td><td>USB-A (2 Ports)</td><td>5V⎓2.4A 12W total</td></tr>
<tr><td>Capacity</td><td colspan="2">2048Wh 3.2V/640000mAh
(51.2V/40000mAh)</td><td>QC3.0 (2 Ports)</td><td>5V⎓3A/9V⎓2A/12V⎓1.5A
18W 36W total</td></tr>
<tr><td>Frequency</td><td colspan="2">50Hz/ 60Hz Pure Sine Wave</td><td>Type-C (2 Ports)</td><td>5V⎓3A/9V⎓3A/12V⎓3A/
15V⎓3A/20V⎓5A 100W PD
200W Total</td></tr>
<tr><td rowspan="4">Input Ports</td><td>AC Charging</td><td>200-240V~50Hz/60Hz
15A 1800W Quick Charge 600W Slow Charge</td><td>DC Output
(2 Ports)</td><td>12V⎓3A 36W total</td></tr>
<tr><td>Solar Charging</td><td>12-120V/15A
1000W Max</td><td>Cigarette Lighter Socket</td><td>12V⎓10A 120W</td></tr>
<tr><td>Car Charging</td><td>12V⎓8A 24V⎓10A</td><td>GX16 4 Pin Aviation Socket</td><td>24V⎓10A 240W</td></tr>
<tr><td>MPPT Control System</td><td colspan="2">Maximum Power Point Tracking</td><td>Discharging Temperature</td><td colspan="2">14°F~104°F /-10°C~40°C
(68°F~86°F Recommended)</td></tr>
<tr><td>Cycle Life</td><td colspan="2">3500 Cycles</td><td>Charging Temperature</td><td colspan="2">32°F~104°F / 0°C~40°C
(68°F~86°F Recommended)</td></tr>
<tr><td>Dimension</td><td colspan="2">18.7*11.65*12.58 inches</td><td>Weight</td><td colspan="2">52 lb / 23.6 kg</td></tr>
</table>

OVERVIEW

• It is a portable power station, perfect for home emergency power backup and off-grid living.
• It was built-in LiFePO4 batteries, which supports AC charging, car charging, and solar panel charging. (It also has UPS function, which ensures continuous power, get non-stop power with a switchover time of less than 10ms.)
• Applications
(1) Outdoor: Car electronics: car refrigerator, car air pump, car vacuum cleaner,etc.; DIY power tools: blowers, lawn mowers, drills, electric saws; camping equipment: cameras, Drones, electric barbecue grills, LED lights, electric air mats.
(2) Indoors: Washing machines, TVs, radios, electric blankets, refrigerators, kitchen appliances (cooking appliances), microwave ovens, cooking heaters, coffee makers, rice cookers, laptop computers, mobile phones, lighting equipment,etc.



1. Main Power Switch	10. Type-C PD 100W
2. DC Switch	11. 20A AC Outlet
3. USB Switch	12. 30A AC Outlet
4. AC Switch	13. Overload Protection Button
5. 12V/10A Cigarette Lighter Socket	14. AC Input
6. 24V/10A GX16 4 Pin Aviation Port	15. AC Quick/Slow Charge Switch
7. 12V/3A 5521 DC Output	16. Solar/Car Input
8. 5V⎓2.4A USB-A 12W	17. Battery Expansion Port
9. QC3.0 18W	18. Cooling Air Inlet/Outlet

1. Main Power Switch

Press the power button for 3S to switch it on, press it again for 3S to turn it off.

Note:

Short press the switch will turn on/off the LCD display. If there is no operations for 30 minutes, the LCD display will be turn off and the power will be switched off automatically.

2. DC Switch

1.Press and hold the main power switch for 3 seconds to turn on the power station. Short press the DC button to switch the DC output ports on. Short press it again to switch the DC output ports off.

2. Check the remaining battery power. If the remaining battery level is less than 10%, please recharge the battery.

3. Connect the device to the DC cigarette lighter socket, DC output port, the output side of the aviation socket.

Note:

* When the DC output port is not in use, please turn off the DC output switch to save power.

3. USB Switch

1. Press and hold the main power switch for 3 seconds to turn on the power station. Short press the USB button to switch the USB output ports on. Short press it again to switch the USB output ports off.

2. Check the remaining battery power. If the remaining battery level is less than 10%, please recharge the battery.

3. Connect a USB device to the USB output port.

Note:

*Quick charging (QC3.0, PD) may not be possible depending on the USB device being charged and the cable used for charging.

* When not in use, please turn off the USB output switch to save power.

* Long press the USB switch to turn off the button sound.

4. AC Switch (AC outlet*5, total output ≤2200W)

1.Press and hold the main power switch for 3 seconds to turn on the power station. Short press the AC button to switch the AC output ports on. Short press it again to switch the AC output ports off.
2. Check the remaining battery power. If the remaining battery level is less than 10%, please recharge the battery.
3. Please check the operating voltage of the device to be connected.
4. Make sure that the power consumption of the connected device is less than the rated power (2200W) of this unit.
5.By pressing and holding the AC switch for 3 seconds or longer, you can switch between E-Multiply mode and constant voltage mode.
1) E-Multiply Mode: When the load is over the rated 2200W but less than 3200W, it will reduce the working voltage of the load to operate the equipment with output up to 3200W.
2) Constant voltage mode: Allows the device to operate at standard voltage. If the load exceeds the 2200W rating, the overload protection will cut off the output.

Note:
* When not in use, please turn off the AC output switch to save power.
* The maximum AC output of the device that can be used is 2200W (Surge 4000W). Even if the total is less than 2200W, it may not be usable because the surge power is too high depending on the electrical equipment used.
* For the 5 AC outlets, there are 1 for 30A and 4 for 20A.

5. 12V/10A Cigarette Lighter Socket

With the DC output switch on, the maximum output is 120W.

6. 24V/10A GX16 4 Pin Aviation Socket

With the DC output switch on, the maximum output is 240W.

7. 12V/3A 5521 DC Output

With the DC output switch on, the total maximum output is 36W.

8. 5V⎓2.4A USB-A output

With the USB output switch on, the maximum output is 12W.

9. QC3.0 USB-A output

With the USB output switch on, the total maximum output is 2*18W=36W.

10. PD100W USB-C output

With the USB output switch on, the total maximum output is 2*100W=200W.

11. 20A AC output

With the AC output switch on, the maximum output is 2200W.

12. 30A AC output

With the AC output switch on, the maximum output is 2200W.

13. Overload Protection Button

In case of unstable power voltage supply due to lightning or other reasons, or if there is a large voltage input at the AC terminal, the overload protection function (safety circuit breaker) will be activated to protect this product and disconnect the AC input port from external devices.

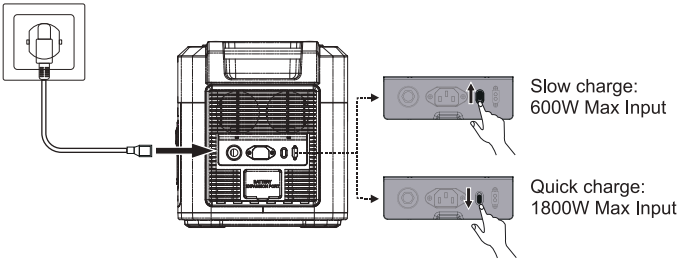
Please restore the AC input function of this product in the following steps.
1. Turn off the main power button and unplug all ports devices.
2. After confirming that there is no abnormality in each part, turn on the main power button.
3. Press the overload protection button and connect the AC charge cable to resume AC input.

14. AC Input

Recharge your power station by connecting it to a wall outlet or generator with the AC charge cable which is included in the package. AC recharging (Quick 1800W Max /Slow 600W Max)
Please ensure that the AC voltage of the device are consistent with the utility power before using the AC port for charging.

15. AC Quick/ Slow Charge Switch

The charging power can be adjusted through the AC charge speed switch. Toggle this switch to the corresponding mode: Quick charge or slow charge mode.



Attention!
When switch to the AC Quick charge mode, you need to ensure that the output voltage of the power supply device meets 200-240V and the output current is greater than 7.5A.
1. The corresponding charging power is 1800W when the output voltage of power supply equipment is 240V and the output current is greater than 7.5A.
2. It is not recommended to use the voltage range beyond 200-240V to charge the product, because it may cause damage to the BP2000 power station, which is not covered by the warranty.

16. Solar/ Car Input

Recharge this power station with a maximum solar input of 1000W with a solar charging cable
1.The maximum input voltage is 120V.
2.If the input port is charged with a voltage higher than 120V, the power station will be damaged. Which is not covered by the warranty.

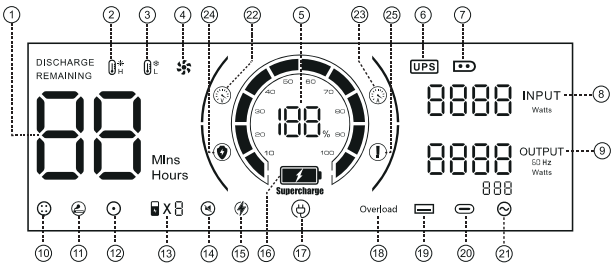
17. Battery Expansion Port Smart

A port for connecting to the Expansion Battery B2000.

18. Cooling Air Inlet/ Outlet

The cooling fan will run automatically when the product reaches a certain temperature during use. Please avoid blocking the cooling air inlet/outlet and do not place objects within 11.8 inches (30cm) of the cooling air inlet/outlet during the use of the product.
The fan has three gears, which are triggered according to the internal temperature. It will automatically run at low speed when the internal temperature reaches 113 °F(45°C) or higher.
It spins at medium speed when the internal temperature reaches 131 °F (55°C) or higher.
It spins at high speed when the internal temperature reaches 149 °F (65°C) or higher.

LCD DISPLAY



1. Charge/Discharge Remaining Time	14. Silent Mode
2. High Temperature Alert	15. E-Multiply Mode
3. Low Temperature Alert	16. Fast Recharging Mode
4. Fan Status	17. AC Recharging Mode
5. Power Status	18. Overload Warning
6. UPS Mode	19. USB Output
7. PV/Car Recharging Mode	20. PD Output
8. Total Input Power	21. AC Output
9. Total Output Power	22. Voltage Protection
10. Aviation Socket (24V) Output	23. Current Protection
11. Cigarette Lighter (12V) Output	24. Short Circuit Protection
12. DC(12V) Output	25. Battery Pack Protection
13. Battery Expansion Icon	

1, When the LCD screen shows ×1, it means the BP2000 + B2000 connects correctly, it can expand up to 7 B2000 batteries and shows ×7;

2, When the BP2000 + B2000 wrongly connected or plugs wrong expansion ports, the BP2000 will warning and ×1 icon will blinks.

Note:

When connect the BP2000 with B2000, if the remaining power is less than 5%, they cannot be paralleled (because the battery voltage gap is large). However when you connect the input power source, you can activate successfully and recharge the BP2000 and B2000.

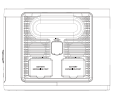
Normally, after the BP2000 and B2000 are connected, the high battery device will automatically charge the low battery.

However, if one of the devices is below 5%, the system will determine that the voltage gap is too large and cannot be connected successfully.

At this time, when you connect the input power source, you can activate successfully and recharge the BP2000 and B2000.

How to expand the B2000 expansion battery packs (E-Combine)





•BP2000 can connect up to 7 B2000 expansion battery packs at the same time, which can expand the capacity up to 16384Wh .

•For the specific connection method, please refer to the instruction manual of the B2000 battery pack.

Connection Notes:

1.Before connecting the B2000 expansion battery, please make sure that the power of both BP2000 and B2000 are turned off.

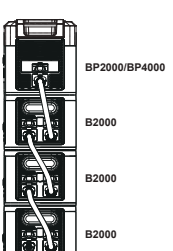
2. After connecting the B2000 expansion battery, please make sure that both the BP2000 and B2000 screens display the parallel power icon before use it.

3.Before connecting/disconnecting the B2000 expansion battery, please turn off the B2000 firstly.

4.Do not touch the metal terminal of the wire with your hands. Wipe it with a dry cloth.

5.Please ensure that the parallel wires are tightly connected to the parallel ports of the BP2000 power station and B2000 expansion battery. Improper connections may cause heat at the connection terminals, affecting the use of the device and possibly causing a fire.

6.If you need to charge the BP2000+B2000, please connect the BP2000 to the wall outlet/ solar panel to charge. If the B2000 expansion battery is separately connected to the AC adapter/solar/car charger, please disconnect the B2000 before connecting to the BP2000.



BP2000 + B2000 Expansion battery pack

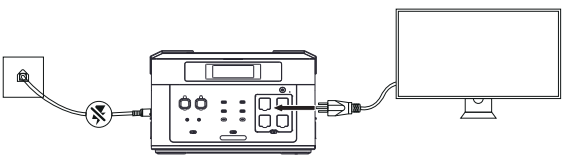
In this case, the input and output of the B2000 expansion battery will be stopped, only for capacity expansion.

1) Input: The B2000 expansion battery will not be charged even if it is connected to the AC adapter, Solar/car charging board.

2) Output: 12V/48V/USB output port on the B2000 expansion battery is also unavailable.

UNINTERRUPTIBLE POWER SUPPLY (UPS)

To use the UPS feature, connect your power station to a wall outlet with the AC charge cable, then press the AC Switch and connect your devices via the AC output ports.



1, Once you turn on the electrical device, it makes use of grid AC power directly.

2, When the utility power is cut off, it will automatically switch to the product's internal battery power within 10ms .

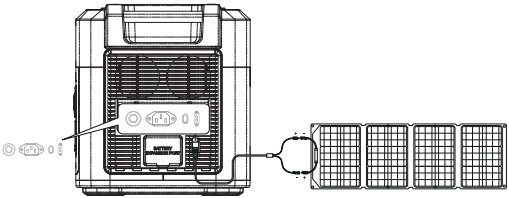
※ Under UPS mode, the maximum AC output power is less than 1400W. If the AC output exceeds 1400W, the UPS icon will blinks, which indicates an overcharge and the AC icon will be turn off, the output is interrupted.

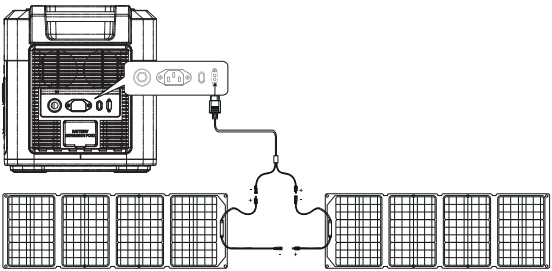
SOLAR PANEL RECHARGING

With a maximum solar input of 1000W. (Maximum input voltage 120V)

※Solar panel charging power will be affected by the weather, climate and other conditions.

※Solar panel voltage over 120V will damage the power station. Which is not covered by the warranty.



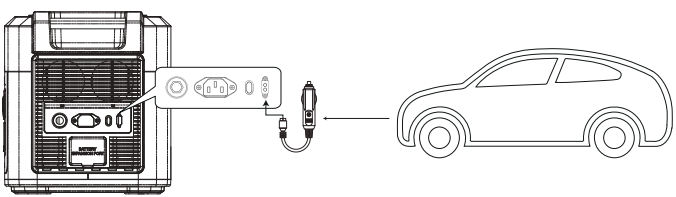


CAR RECHARGING

Recharge this power station by connecting to a car's output port with the car charge cable.

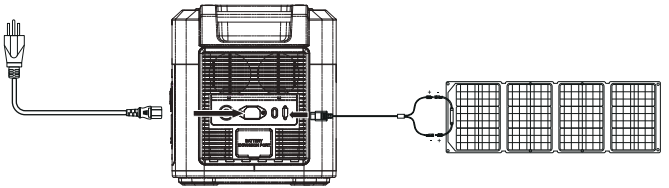
※Car recharging should be done after the car engine is started. Failure to start the car engine may cause the car's battery to run out of power.

※Car recharging is usually low power of 90-240W, so the charging time is long (12V/8A or 24V/ 10A). If quick charge is required, wall outlet recharging is recommended.



MULTICHARGE RECHARGING

It supports fast dual charging with AC recharging and Solar panel recharging at the same time. The max power is 1500W+1000W=2500W.



ESTIMATED USAGE TIME

2048Wh × DOD × η ÷ (load W) = estimated usage time (unit: h)

Note:
DOD is the depth of discharge of the battery,
η is the conversion rate of the inverter.
DOD = 90%, η = 90%, load W = power consumption (wattage) of your device.

For reference, assuming the power consumption of your device is 1000W, the working time will be 2048Wh*0.9*0.9/1000W=1.6hrs (rough calculated).

*Please note that there is also an electrical loss due to self-discharge when the output port is turned on. The specific electrical loss is AC: 25W, DC24V: 3W, DC12V: 2W, USB: 0.5W.

TROUBLESHOOTING

When the icon lit	Reason	Solutions
	The internal temperature of the device is high.	Let the device sit and cool before restarting. Recommended temperature 68 °F~86 °F (20°C~30°C)
	The internal temperature of the device is low.	Use the device in a normal temperature environment. Recommended temperature 68 °F~86 °F (20℃~30℃)
	Voltage protection. Overvoltage has occurred at the internal battery or PV input.	Disconnect the input terminal, check that the voltage on the input terminal is within the allowable range, and then reconnect.
	Current protection. A BMS charge/discharge overcurrent has occurred.	Disconnect the input terminal and turn off the power, then reconnect it. Disconnect the output terminal, and turn on the power, then reconnect it.
	Short circuit protection. A BMS failure has occurred.	Please contact customer service at support@oukitelpower.com
	Battery pack protection. A battery pack failure or BMS communication error has occurred.	Please contact customer service at support@oukitelpower.com

When the icon blinks	Reason	Solutions
	AC input is abnormal.	Make sure the AC input wattage is acceptable. Check the connection of the power cord.
	An error has occurred in the output.	Check the load of the connected device. Check the connection with the output terminal.

FAQ

1.The electrical appliances power is within the rated output power range of the product but it cannot be used?
The battery of the power station is low and needs to be recharging.
When some electrical appliances started, the peak power is higher than the product power, or the nominal power of the electrical appliance is greater than the electrical appliance power.

2.Why is there a noise when using it?
The noise comes from the fan or the relay when you start or using it.
3.Is it normal the charging cable heat up during use?
Yes, it is. The charge cable complies with national safety standards and has passed the certification.

4.What devices the product can support by the AC output?
The AC output is rated 2200W. It's available to power most of the home appliances, which rated power is lower than 2200W. Please make sure the total loading by AC is under 2200W before use.

5.How can we know the remain discharge time?
Please check the data on the LCD screen, it will show the remain discharge time when you turn on.

6.How can we confirm the product is charging?
When the product is under charging, the product screen will show the input wattage, and the power percentage indicator will blink.
7.How should we clean the product?
Please use a dry, soft, clean cloth or tissue to wipe the product.

8.How to storage?
Please turn off the product and place it in a dry environment. Do not place this product near water.
For long-term storage, we recommend to use the product every three months(Run out the remain power first and recharge it to the percentage you want, such as 50%).

MAINTENANCE

1.It is recommended to use or store this product in an environment of 68 °F (20°C) to 36 °F (30°C), keep it away from water, heat, and other metal objects.
2.For safety reasons, please do not store this product in an environment higher than 113 °F (45°C) or lower than 14 °F (- 10°C) for a long time.
3.If it is not used for a long time, please charge it to 60% before storing. If the battery is left unused for a long time when the battery is seriously insufficient, it will cause irreversible damage to the battery and shorten the cycle life of the product.

WARRANTY

The product is with a 1-year warranty from the date of purchase (damages from normal wear and tear, alteration, misuse, neglect, accident, service by anyone other than the authorized service center, or act of God are not included).

During the warranty period and upon verification of defects, this product will be replaced when returned with proof of purchase.

CUSTOMER SUPPORT

If you need help regarding product issues, after-sales service, or other relevant problems, please contact us via email: support@oukitelpower.com , and provide the following information:
- Order ID
- Problem description

Email: support@oukitelpower.com
Website: https://eu.oukitel.com

UN38.3 Li-ion MADE IN CHINA