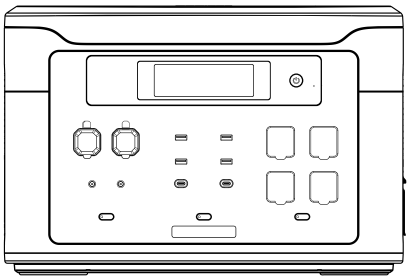
Portable Power Station



BP3000

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.

User Manual
V1.0

CONTENTS

Disclaimers ---------- 1
What's in the Box ---------- 1
Important Safety Instructions ---------- 2-4
Specifications ---------- 4
Overview ---------- 5
AC Quick/Slow Charge Switch ---------- 6
LCD Display ---------- 7-9
Backup Power System ---------- 9
Solar panel Recharging ---------- 9
Car Recharging ---------- 10
Multicharge Recharging ---------- 11
Estimated Usage Time ---------- 11
Troubleshooting ---------- 12
FAQ ---------- 13
Maintenance ---------- 14
Warranty ---------- 14
Customer Support ---------- 14

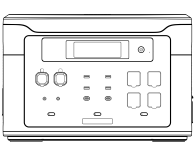
DISCLAIMERS

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.

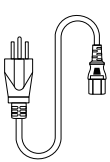
Once you use this product, you can be deemed to have understood, recognized and accepted all the terms of this manual. Users undertake responsibility for their own actions and all the consequences that may arise therefrom.

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.

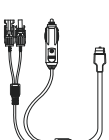
WHAT'S IN THE BOX



BP3000 Power Station



AC Charging Cable



MC4&Car Charger-XT60 Cable

User Manual

Additional Purchase Accessories

- Smart Expansion Battery（sold separately）

Extra 2048Wh capacity, up to 7 B2000L can be connected to BP3000.

- 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.
• Medical Equipment Limit: The product is not intended for powering life-sustaining medical equipment, including but not limited to medical-grade ventilators (hospital-grade CPAP: Continuous Positive Airway Pressure) or artificial lungs (ECMO: Extracorporeal Membrane Oxygenation). If you plan to use it for other medical equipment, consult with the equipment's manufacturer first to ensure there are no restrictions on using an external power source with their equipment.
• Medical Equipment Interference: When in use, power supply products will generate electromagnetic fields, which are likely to affect the normal operation of medical implants or personal medical equipment such as pacemakers, cochlear implants, hearing aids, defibrillators, etc. If these types of medical equipment are being used, please contact the manufacturer to inquire about any restrictions on the use of such equipment. These measures are fundamental to ensure a safe distance between the medical implants (for example, pacemakers, cochlear implants, hearing aids, defibrillators, etc.) and this product while in use.
• 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.
• For safety reasons, please do not store this product in an environment higher than 104 °F (40°C) or lower than 14 °F (- 10°C) for a long time.

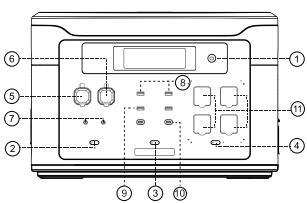
• If it is not used for a long time, please charge it to 60% before storing. If the battery is left unused for a long time when the battery is seriously insufficient, it will cause irreversible damage to the battery and shorten the cycle life of the product.

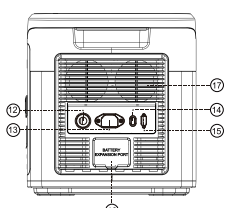
SPECIFICATIONS

Model	BP3000		**Output Ports**	AC Output (4 Outlets)	Rated 3200W (Surge 6400W)
Battery Type	LiFePO4			USB-A (2 Ports)	5V⎓2.4A 12W
Capacity	2048Wh 3.2V/640000mAh (51.2V/40000mAh)			QC3.0 (2 Ports)	5V⎓3A/9V⎓2A/12V⎓1.5A 18W
Frequency	50Hz/ 60Hz Pure Sine Wave			Type-C (2 Ports)	5V⎓3A/9V⎓3A/12V⎓3A/ 15V⎓3A/20V⎓5A 100W PD
Input Ports	AC Charging	100-120V~50Hz/60Hz 15A 1800W Max Quick Charge 800W Slow Charge		DC Output (2 Ports)	12.6V⎓3A 38W
	Solar Charging	12-60V/20A 1000W Max		Cigarette Lighter Socket	12.6V⎓10A 126W
	Car Charging	12V⎓8A 24V⎓10A		GX16 4Pin Aviation Socket	12.6V⎓10A
MPPT Control System	Maximum Power Point Tracking		**Discharging Temperature**	14°F~104°F /-10°C~40°C (68°F~86°F Recommended)	
Cycle Life	4000 Cycles		**Charging Temperature**	32°F~104°F / 0°C~40°C (68°F~86°F Recommended)	
Dimension	18.7*11.65*12.58 inches		**Weight**	52.91lB/24KG	

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 backup power system 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.

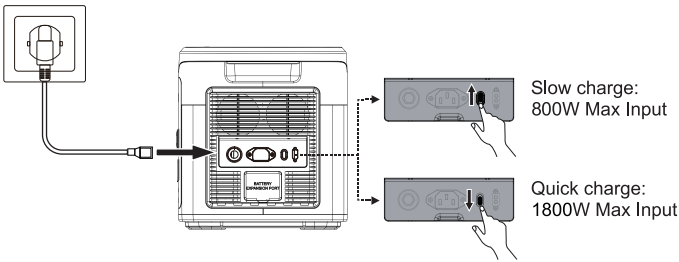




1. Main Power Switch	10. Type-C PD 100W
2. DC Switch	11. 20A AC Outlet
3. USB Switch	12. Overload Protection Button
4. AC Switch	13. AC Input
5. Cigarette Lighter Socket	14. AC Quick/Slow Charge Switch
6. GX16 4Pin Aviation Port	15. Solar/Car Input
7. 5521 DC Output	16. Battery Expansion Port
8. USB-A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

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.

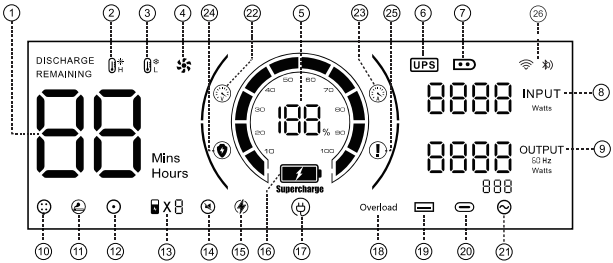


Attention!

When switch to the AC Quick charge mode, you need to ensure that the output voltage of the power supply device meets 100-120V and the output current is greater than 15A.

1. The corresponding charging power is 1800W when the output voltage of power supply equipment is 120V and the output current is greater than 15A.
2. It is not recommended to use the voltage range beyond 100-120V to charge the product, because it may cause damage to the BP3000 power station, which is not covered by the warranty.

LCD DISPLAY



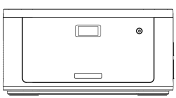
1. Charge/Discharge Remaining Time	14. Silent Mode
2. High Temperature Alert	15. E-Multiply Mode
3. Low Temperature Alert	16. Fast Recharging Mode
4. Fan Status	17. AC Recharging Mode
5. Power Status	18. Overload Warning
6. Backup Power System Mode	19. USB Output
7. PV/Car Recharging Mode	20. PD Output
8. Total Input Power	21. AC Output
9. Total Output Power	22. Voltage Protection
10. Aviation Socket Output	23. Current Protection
11. Cigarette Lighter Output	24. Short Circuit Protection
12. DC Output	25. Battery Pack Protection
13. Battery Expansion Icon	26. WIFI/Bluetooth

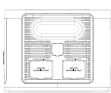
1, When the LCD screen shows ×1, it means the BP3000+B2000L conntecs correctly, it can expand up to 7 B2000L batteries and shows ×7;

2, When the BP3000+B2000L wrongly connected or plugs wrong expansion ports, the BP3000 will warning and ×1 icon will blinks.

Note:
When connect the BP3000 with B2000L, 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 BP3000 and B2000L.
Normally, after the BP3000 and B2000L 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 B3000 and B2000L.

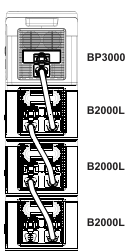
How to expand the B2000L expansion battery packs (E-Combine)





•BP3000 can connect up to 7 B2000L 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 B2000L battery pack.

Connection Notes:
1.Before connecting the B2000L expansion battery, please make sure that the power of both BP3000 and B2000L are turned off.
2. After connecting the B2000L expansion battery, please make sure that both the BP3000 and B2000L screen display the parallel power icon before use it.
3.Before connecting/disconnecting the B2000L expansion battery, please turn off the B2000L 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 BP3000 power station and B2000L 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 BP3000+B2000L,please connect the BP3000 to the wall outlet/solar panel to charge. If the B2000L expansion battery is separately connected to the AC adapter/solar/car charger, please disconnect the B2000L before connecting to the BP3000.



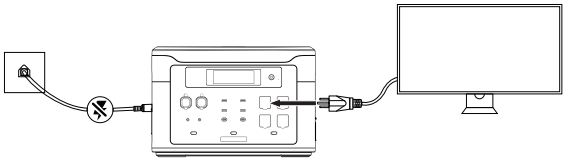
BP3000+B2000L Expansion battery pack

In this case, the input and output of the B2000L expansion battery will be stopped, only for capacity expansion.

Input: The B2000L expansion battery will not be charged even if it is connected to the AC adapter, Solar/car charging board.

BACKUP POWER SYSTEM

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

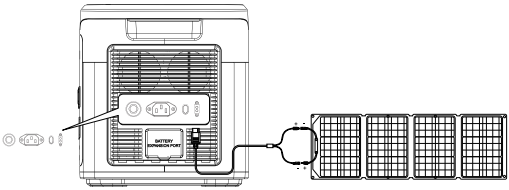
※ In backup power mode,the maximum AC output power is less than 100-120/15A. If the AC output exceeds 100-120/15A, the backup power system icon will blinks, which indicates an overcharge and the AC icon will be turn off, the output is interrupted.

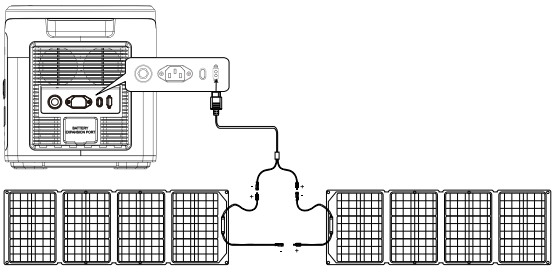
SOLAR PANEL RECHARGING

With a maximum solar input of 1000W. (Maximum input voltage 60V)

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

※Solar panel voltage over 60V will damage the power station. Which is not covered by the warranty.



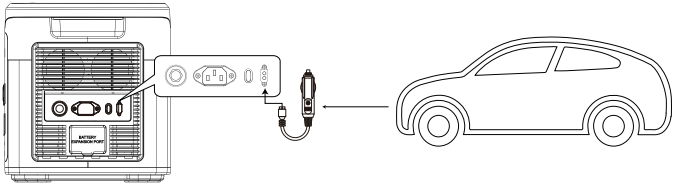


CAR RECHARGING

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

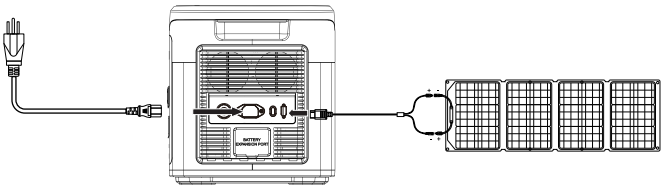
※Car recharging should be done after the car engine is started. Failure to start the car engine may cause the car's battery to run out of power.

※Car recharging is usually low power of 90-240W, so the charging time is long (12V/8A or 24V/ 10 A). 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 1800W+1000W=2800W.



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: 20W, DC12V: 2W, USB: 0.5W.

TROUBLESHOOTING

When the icon lit	Reason	Solutions
H	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)
L	The internal temperature of the device is low.	Use the device in a normal temperature environment. Recommended temperature 68 °F~86 °F (20℃~30℃)
V	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.
A	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
Superchargo	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 3200 W. It's available to power most of the home appliances, which rated power is lower than 3200 W. Please make sure the total loading by AC is under 3200 W 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 104 °F (40°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 2-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

E-mail: support@oukitelpower.com
Website: http://oukitel.com

UN38.3 Li-ion MADE IN CHINA

Fcc Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to providereasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1)this device may not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.