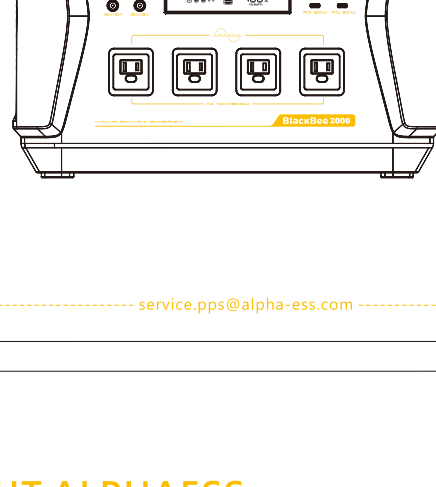


USER MANUAL

BlackBee2000



If in need of service, feel free to contact us.

www.alphaess-pps.com
service.pps@alpha-ess.com
@AlphaEnergyStorageSystem

service.pps@alpha-ess.com

service.pps@alpha-ess.com

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I WARNING & ATTENTION

WARNING

- Do not put the unit in a high temperature environment, or explode in the sun.
- Do not place the unit in water or rain outdoors.
- Do not place the unit on its side or upside down when in use or storage.
- Do not use the unit in an environment outside the scope of the use environment.
- Do not use the unit if the power cord is damaged or broken.
- Do not let children use the unit. Keep the unit away from children and pets.
- Do not recharge the unit via power supply systems that operate outside of 100-120V.

ATTENTION

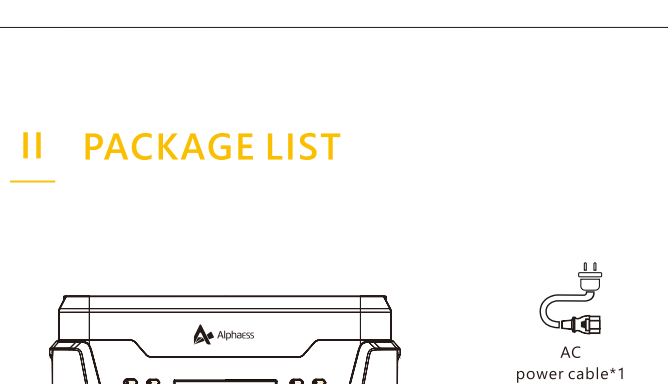
- Keep the power vents open.
- Do not cover this product with objects, such as towels, clothing during use.
- Turn off any output ports (AC/DC/USB) that are not being used in order to conserve power.
- Use the original or certified charger and cables.
- Non-technical professionals should not disassemble the unit.
- Not permitted on aircraft.
- To preserve the battery lifetime, please use and recharge at least every 3 months.

01

ABOUT ALPHAESS

Thank you for purchasing an AlphaESS BlackBee2000 portable power station. Hope you have a great time.

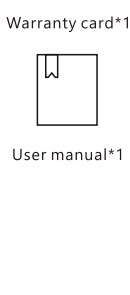
AlphaESS is one of the leading energy storage solution and service providers in the globe. The company specializes in the residential and commercial market, aiming to deliver the most cost-effective and fit-for-purpose solutions. AlphaESS has 10+ subsidiaries providing local services and 60,000+ systems actively running in over 60 countries, enabling millions of people to live with reliable, accessible and clean energy.



II PACKAGE LIST



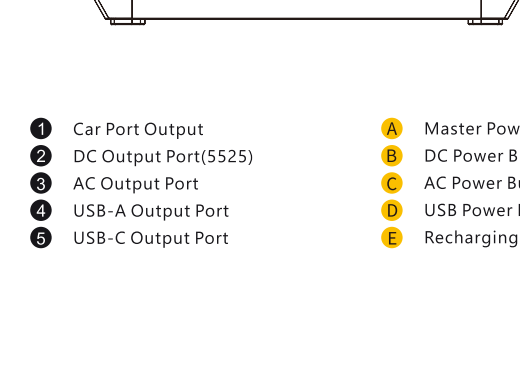
Power Station*1



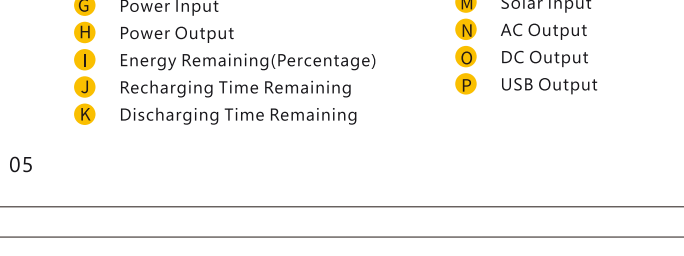
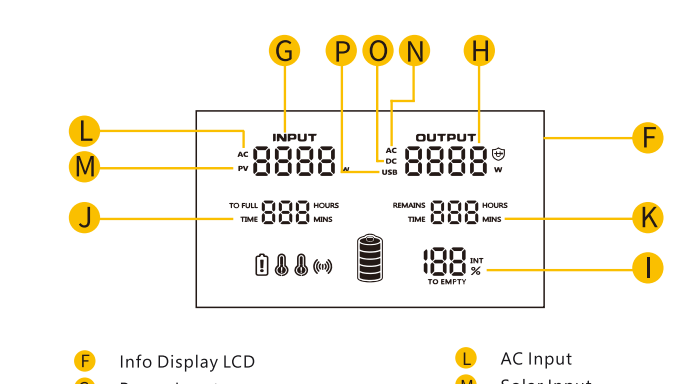
III SPECIFICATION

| BATTERY | |
|-------------------------|--|
| Cell Chemistry | Lithium Ion |
| Energy Storage Capacity | 2,203.2Wh |
| Lifecycles | > 1000 cycles |
| Shelf-life | Up to 6 months after full charge; re-charge every 3 months |
| Wattage Compatibility | Total Output: 2040W AC: 1600W Continuous, 3000W peak DC: 440W in total |

| | |
|--|--|
| Battery Management System (BMS) | Input undervoltage protection, Output over voltage protection, Overload protection, Short circuit protection, Overtemperature protection |
| INPUT PORTS | |
| DC(Solar) INPUT(Anderson*2) | 11V-45V, 10A/300W MAX each |
| | 100-120V |
| OUTPUT PORTS | |
| USB Port(6) | USB-C*2, PD60W each(5V~3A; 9V~3A; 12V~3A; 15V~3A; 20V~3A) USB-A*4, QC3.0 36W each(5V~3A; 9V~3A; 12V~3A; 15V~2.4A; 20V~1.8A) |
| DC Port(5/25/2)(2) | 12V~5A; 12V~3A |
| Car Port(1) | 12V~10A |
| AC Port(4) | 110VAC, 60Hz, Pure Sine Wave 1600W Continuous, 3000W Peak |
| Wireless Charging(2) | 10W*2 |
| GENERAL INFO | |
| LCD display - info relates watt input/output, battery status, warning symbol display | |
| Dimensions(LxWxH) | 17.2*13.4*11.4 inch(438 x 340 x 283 mm) |
| Weight | 48.5lbs(22kg) |
| Recharging Temperature | 14~113 F(-10~45 C) |
| Operating Temperature | 14~113 F(-10~45 C) |
| Certification | FCC, CE, RoHS, UN38.3, MSDS, PSE, RCM |
| Warranty | 24 months |



- Car Port Output
- DC Output Port(S525)
- AC Output Port
- USB-A Output Port
- USB-C Output Port
- Master Power Switch
- DC Power Button
- AC Power Button
- USB Power Button
- Recharging indicator



- Info Display LCD
- Power Input
- Power Output
- Energy Remaining(Pecentage)
- Recharging Time Remaining
- Discharging Time Remaining
- AC Input
- Solar Input
- AC Output
- DC Output
- USB Output

IV PRODUCT TOUR & FUNCTIONS

V CHARGE & RECHARGE

WARNING SYMBOL DISPLAY

IF YOU OPERATE THE POWER STATION IN AN IMPROPER WAY, THERE WILL BE APPEARING SYMBOLS ON LCD SCREEN.

When the input voltage of recharging is too high or too low, this symbol will be displayed and the input charging will be paused. Please press the Master Power Switch(A) to restart your BlackBee2000. If the symbol still exists, please contact customer support for further solutions.

This symbol indicates your BlackBee2000 is under overload protection. Disconnect the output load to release the protection and the symbol will disappear.

This symbol on display means the wireless charging is powered on. And if it is flashing, it means the wireless charging is malfunctioning. Please check the wireless charging panel or restart the wireless charging.

This symbol indicates that the product is in a low power state(less than 20%). Please kindly charge it to 100% and then use it.

This symbol indicates that the device is under high-temperature(Red icon) or low-temperature (Blue icon) protection and the protection will be released if the icon does not display.

BATTERY SYMBOL DISPLAY



HOW TO RECHARGE

RECHARGE YOUR BlackBee2000 NOW

NOTE:
1). The input indicator will be flashing when BlackBee2000 is being recharged.
2). Once fully recharged, the energy remaining(%) will be 100%.
3). It is recommended to be recharged every 3 months.

1. RECHARGING WITH AC POWER CABLE

Plug the AC power cable(included) to AC outlet, and connect the other end to BlackBee2000 AC Input Port(B). The BlackBee2000 can be fully recharged from 0 in about 2 hours by the AC power cable.



2. RECHARGING FROM SOLAR PANEL

IMPORTANT NOTICE: Please notice that the BlackBee2000 input voltage is 11-42V, and there are 2 Anderson input ports. The max input wattage of each input port is 300W.

- Place your solar panel where it can get as much direct sunlight as possible.
- Connect the solar panel into the Solar Input Port(9). You will know the BlackBee2000 is recharging when the indicator is flashing.
- Two separate solar panels can be connected to BlackBee2000 and they can work well simultaneously.



WHAT CAN IT POWER

IMPORTANT NOTICE

Press the Master Power Switch(A) first and then press the AC/DC/USB power button to activate its power function. Make sure to switch the output off if there is no device connected. It can be switched off separately by the AC/DC/USB button or the Master Power Switch(A).

1. OUTPUT FROM USB-A, USB-C PORTS

SWITCH ON: Press the Master Power Switch(A) first and then press the USB Power Button(D) to activate power to the USB ports. Connect the standard USB cable of the device to the interface. The BlackBee2000 will provide power for the device.



2. OUTPUT FROM AC PORTS

SWITCH ON: Press the Master Power Switch(A) first and then press the AC Power Button(C) to activate power to the AC devices ports. Connect the plug of the power cord of the device to the AC output of the power station.

IMPORTANT NOTICE

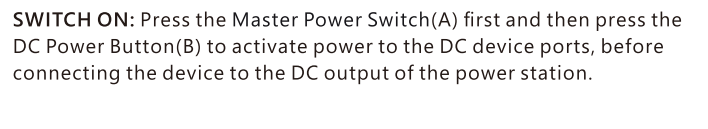
If the AC output short-circuits or the load's power consumption exceeds the AC output power of BlackBee2000, it will trigger the short circuit protection or overload protection. Please disconnect the load, and reset the AC output power by pressing the Master Power Switch(A) first and pressing the AC Power Button(C).



3. OUTPUT FROM DC PORTS

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to activate power to the DC device ports, before connecting the device to the DC output of the power station.

Make sure the interface of DC 12V device is a DC5255 male connector, with an outer diameter power plug of 5.5mm. And the output of DC ports are 12V=5A, 12V=3A.

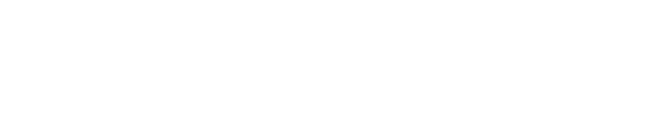


Car port can be used for vehicle tools, such as vacuum cleaners, electric wrenches, and car refrigerators. (120W MAX)

DC5255 port appliances such as DC fans, LED lights, etc. (60W/36W MAX)

4. WIRELESS CHARGING

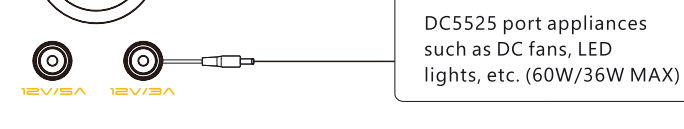
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

5. WIRELESS CHARGING

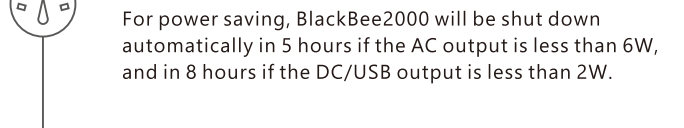
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

6. WIRELESS CHARGING

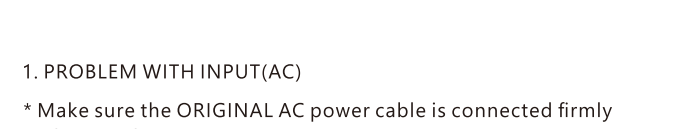
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

7. WIRELESS CHARGING

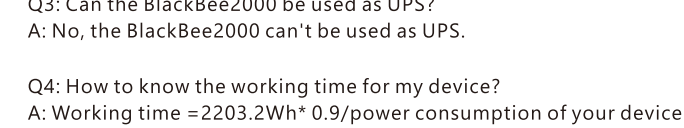
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

8. WIRELESS CHARGING

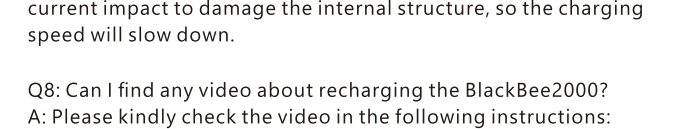
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

9. WIRELESS CHARGING

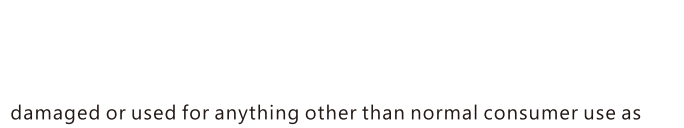
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

10. WIRELESS CHARGING

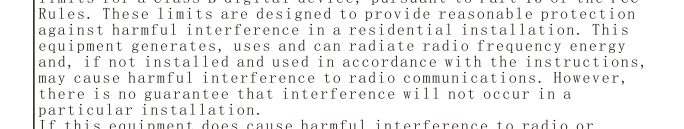
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

11. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

12. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

13. WIRELESS CHARGING

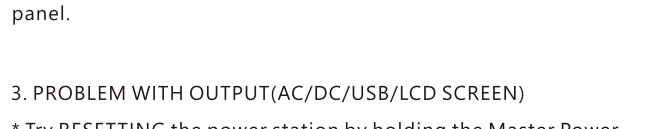
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

14. WIRELESS CHARGING

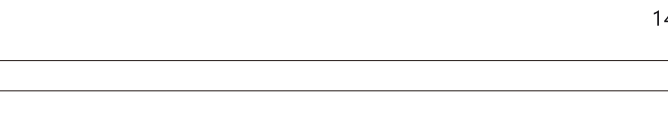
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

15. WIRELESS CHARGING

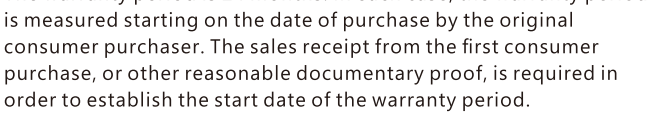
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

16. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

17. WIRELESS CHARGING

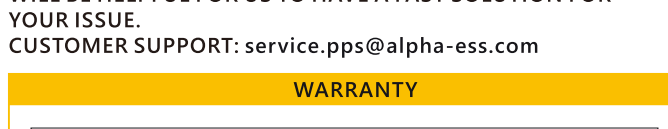
SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

18. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.



Please check the power consumption of your device and make sure it is under 1600W.

19. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

20. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

21. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

22. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

23. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

24. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

25. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

26. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

27. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

28. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

29. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

Please check the power consumption of your device and make sure it is under 1600W.

30. WIRELESS CHARGING

SWITCH ON: Press the Master Power Switch(A) first and then press the DC Power Button(B) to turn on the wireless charging, then put your devices(with wireless charging function) on the appointed area.

