



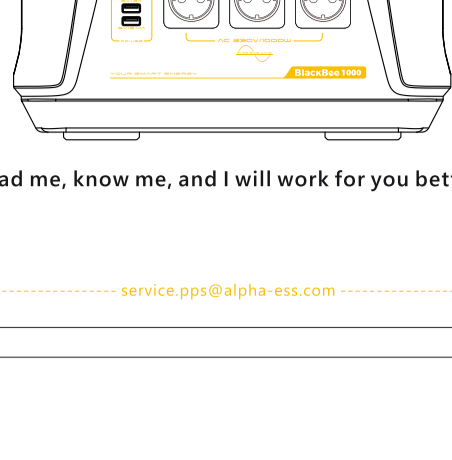
If in need of service, feel free to contact us.

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

service.pps@alpha-ess.com

USER MANUAL

BlackBee1000



Read me, know me, and I will work for you better.

service.pps@alpha-ess.com

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I WARNING & ATTENTION

WARNING

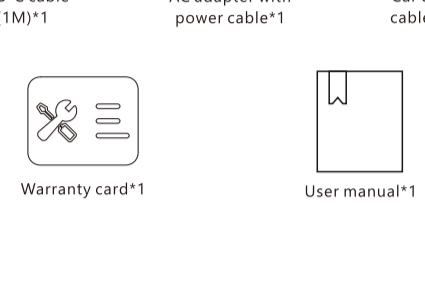
- Do not put the unit in a high temperature environment, or explode in the sun.
- Do not place the unit in water or rain outdoors.
- Do not place the unit on its side or upside down when in use or storage.
- Do not use the unit in an environment outside the scope of the use environment.
- Do not use 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 100-240V.

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) 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 aircrafts.
- To preserve the battery lifespan, please use and recharge at least every 3 months.

01

II PACKAGE LIST



Power Station*1



USB-C cable (1M)*1



AC adapter with power cable*1



Car charger cable 12V*1



Warranty card*1



User manual*1

02

III SPECIFICATION

BATTERY

Cell Chemistry	Lithium Ion
Energy Storage Capacity	1036.BWh
Single Cell Equivalent Capacity	288,000 mAh @ 3.6V
Lifecycles	> 1000 cycles to 80% with full charge/discharge
Shelf-life	Up to 6 months after full charge; re-charge every 3 months
Wattage Compatibility	1000W Continuous, 2000W Peak Surge
Battery Management System (BMS)	Input undervoltage protection, output over voltage protection, overload protection, short circuit protection, overtemperature protection

INPUT PORTS

DC Charging Port (S525)	12V-24V, 180W MAX, AC adapter, Car charger(included)
USB-C PD Port	One (1) USB-C port, PD 100W

OUTPUT PORTS

USB Ports (4)	One (1) USB-C port, PD 100W (5V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/5A) One (1) USB-C port (5V/3A) Two (2) USB-A port (5V/2.4A each)
DC Port (S525) (2)	12V/10A
Car Port (1)	12V/10A
AC Inverter (3)	230VAC, 50Hz, Pure Sine Wave 1000W Continuous, 2000W Surge Peak
Wireless Charging (2)	10W*2
Note	Try to keep the receiver in the best position during charging

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LED LIGHTING FUNCTION

Output Current	200±50mA
Output Power	±3W
Color Temperature	5700-6700K
Brightness Level 1	200±100LUX
Brightness Level 2	800±150LUX
Brightness Level 3	1400±200LUX

DIMMING FUNCTION

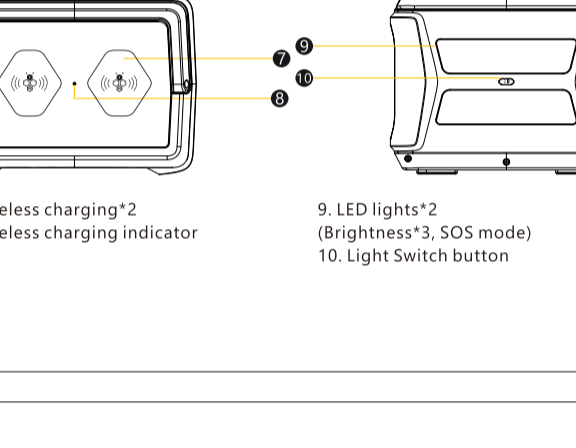
Brightness Switch	Short press the button, brightness level 1->level 2->level 3->turn off (cycle in turn)
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SOS MODE

Double-press the button to turn on. Short-press the button to turn off.

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IV PRODUCT TOUR & FUNCTIONS



- | | |
|--------------------------------------|-------------------------|
| A. Recharge status indicator | 1. Input port (DC S525) |
| B. Switch button | 2. USB-C port |
| C. Input power display | 3. USB-A port |
| D. Info display | 4. Car port |
| E. Output power display | 5. DC S525 port |
| F. System temperature status display | 6. AC output port |
-
- | | |
|--------------------------------|-------------------------|
| 7. Wireless charging*2 | 9. LED lights*2 |
| 8. Wireless charging indicator | 10. Light Switch button |

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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, the symbol will display and stop charging. When the input voltage is restored to normal, the symbol will not display and normal charging will be resumed.



When the discharge output of the product appears over current short circuit, the output will be shut down immediately, and the symbol flashes 5 seconds prompt.



This symbol flashes to indicate that the product is in a low power state (less than 3%). Please kindly charge it to 100% and then use it.



This symbol flashes to indicate the unit is in cryogenic protection and the protection will be released if the icon does not display.



This symbol flashes to indicate the unit is in overtemperature protection and the protection will be released if the icon does not display.



BATTERY SYMBOL DISPLAY

0%~25%	26%~65%	66%~85%	86%~100%
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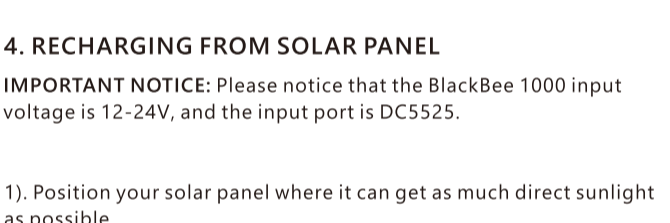
HOW TO RECHARGE

RECHARGE YOUR BlackBee 1000 NOW

- The input indicator will be flashing when BlackBee 1000 is being recharged.
- Once fully recharged, the battery display indicator will read 100%.
- We recommend to recharge the unit every 3 months.

1. RECHARGING WITH AC ADAPTER

Plug the AC adapter (included) to household outlet, and connect the other end to BlackBee 1000 (input port). The BlackBee 1000 can be fully recharged from 0 in about 7-8 hours by the AC adapter.



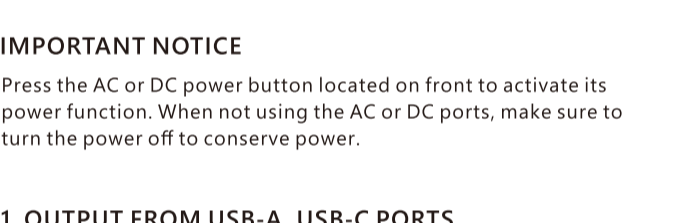
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2. RECHARGING FROM A USB-C CHARGER

- Using the USB-C cable(included), plug it into the 100W USB-C Power Delivery port and attach into a compatible third-party USB-C charger (not included).
- Plug your charger into a household wall outlet.

3. RECHARGING FROM SOLAR CHARGER

Using the car charger cable(included), plug the charger to your Auto port and connect the other end to the input port of BlackBee 1000.

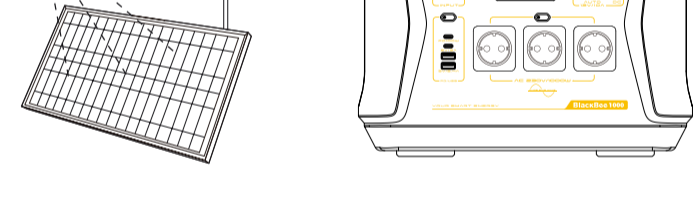


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4. RECHARGING FROM SOLAR PANEL

IMPORTANT NOTICE: Please notice that the BlackBee 1000 input voltage is 12-24V, and the input port is DC S525.

- Position your solar panel where it can get as much direct sunlight as possible.
- Insert the solar panel plug into the input port. You will know the BlackBee 1000 is recharging when the indicator is flashing. The BlackBee 1000 is fully recharged when the battery display indicator reads 100%.
- Some solar panels are chainable to provide more power to your BlackBee 1000 and reduce solar recharge time.



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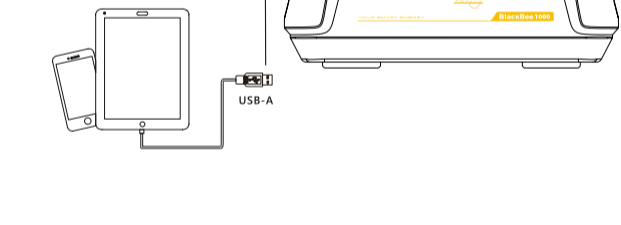
WHAT CAN IT POWER

IMPORTANT NOTICE

Press the AC or DC power button located on front to activate its power function. When not using the AC or DC ports, make sure to turn the power function OFF to conserve the power.

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

SWITCH ON: Press the USB button to activate power to the USB ports, connect the standard USB cable of the device to the USB interface of this product. The USB of this unit will provide power for the interface.



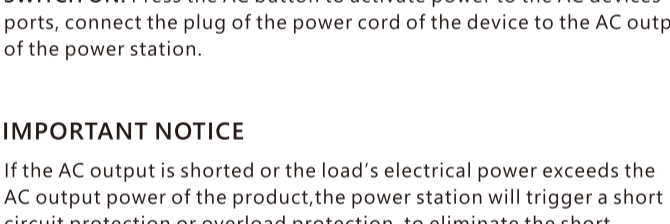
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2. OUTPUT FROM AC PORTS

SWITCH ON: Press the AC button 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 is shorted or the load's electrical power exceeds the AC output power of the product, the power station will trigger a short circuit protection or overload protection: to eliminate the short circuit, disconnect the attached device, and then restart the power station to restore AC output.



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3. OUTPUT FROM DC PORTS

SWITCH ON: Press the DC button to activate power to the DC devices ports, before connecting the device to the DC output of the power station.

Make sure the interface of DC 12V device is a DC5525 male connector, with an outer diameter power plug of 5.5mm. As per the specifications, the DC 5525 port can take in devices that are 12V, 10A.



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4. WIRELESS CHARGING

SWITCH ON: Double press the INFO button to turn on the wireless charging, then put your devices (with wireless charging function) on the appointed area.

BATTERY MANAGEMENT SYSTEM(BMS)

It is an safety system that manages the charging of battery to ensure an safety, including input under voltage protection, output over voltage protection, overload protection, short circuit protection, over current protection, over temperature protection.

SHORT CIRCUIT / OVERLOAD PROTECTION

If the AC output has a short circuit or the output is overloaded (i.e. the load is >1000W), the unit will turn off the AC output for protection, please troubleshoot and press the AC output button again to achieve AC output. Some electrical equipments, such as air conditioner, hair dryer may require a peak power to start-up or it may occur during its usage.

Though the peak power time may be short, this peak power may exceed 1000W or higher, which will result in the unit's overload protection mode. Such a device is not compatible with the unit. Press the AC button of the unit to reset and activate the AC output.

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AN OPERATING PRINCIPLE

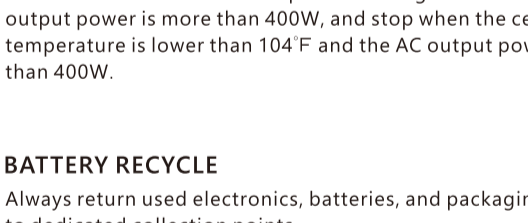
The fan will run when cell temperature is higher than 113 F or AC output power is more than 400W, and stop when the cell temperature is lower than 104 F and the AC output power is less than 400W.

BATTERY RECYCLE

Always return used electronics, batteries, and packaging materials to dedicated collection points.

ECO MODE

For saving power, BlackBee 1000 will shut off automatically if:
1) AC output < 15W±5W in 10 hours
2) DC USB output < 3W in 4 hours
Turn off eco mode: Press the INFO button in front for 3 seconds, and the LCD will show "L".



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VII TROUBLESHOOTING

1. PROBLEM WITH INPUT (AC/DC)

- Make sure the ORIGINAL AC/DC charger cables are connected firmly and correctly.
- Check if the charging indicator is ON.
- Check if the LCD shows INPUT WATTS.
- Check if the power station can be recharged via the DC/AC charger cables normally.

2. PROBLEM WITH SOLAR CHARGING

- Make sure the ORIGINAL cable is connected firmly and correctly.
- Use a SOFT cloth to remove the dust or dirt on the solar panel.
- Make sure there is NO shadow cast on the panel.
- Test it under midday STRONG sunlight.
- Try to unplug and plug for several times.

Note: If the power station can be recharged via the AC charger normally, if yes, please check if something is wrong with the solar panel.

3. PROBLEM WITH OUTPUT(AC/DC/USB/LCD SCREEN)

- Try RESETTING the power station by holding the INFO BUTTON for 15 seconds.
- Recharge the power station to 100% and test it again.

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VIII FAQ

Q1: What devices can BlackBee 1000 power?
A: Please note that the total output of BlackBee 1000 is 1000W, which means it can power any devices under 1000W.

Q2: Can the BlackBee 1000 be recharged while using?
A: Yes, BlackBee 1000 supports pass-through charging.

Q3: Can the BlackBee 1000 be used as UPS?
A: No, the BlackBee 1000 can't be used as UPS, need to press the power button to turn on the AC/USB/DC output, so it can't be turned on and off automatically.

Q4: How to know the working time for my device?
A: Working time = 1036Wh ÷ 0.9/operating power of your device.

Q5: Does the BlackBee 1000 include a built-in MPPT controller?
A: All AlphaESS power stations have built-in MPPT controller.

Q6: How do I know the BlackBee 1000 is recharged the input watts?
A: Check if the LCD Battery Display shows the input watts.

Q7: Can I keep this charged up by keeping it plugged in all the time in case of power outage?
A: Yes, you can keep the battery plugged in to charge.

Q8: Can I use it indoors?
A: Yes, the BlackBee 1000 is safe to use indoors.

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X WARRANTY CARD

PLEASE SEND BACK INFORMATION REQUIRED BELOW, WHICH WILL BE HELPFUL FOR US TO HAVE A FAST SOLUTION FOR YOUR ISSUE.
CUSTOMER SUPPORT: service.pps@alpha-ess.com

WARRANTY	
CONTACT INFO	
Buyer name	Email address
ORDER DETAILS	
Order ID	
Serial number	
Issue details	
Upload proof of purchase & photos of the device itself with AlphaESS logo showing.	

More questions, please kindly find the answer in the following way:
1. Go to www.alphaess-pps.com
2. Click the "Support", and then choose "FAQ"

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IX WARRANTY

WARRANTY PERIOD

The warranty period is 24 months. In each case, the warranty period is measured starting on the date of purchase by the original consumer purchaser. The sales receipt from the first consumer purchase, or other reasonable documentary proof, is required in order to establish the start date of the warranty period.

AFTER-SALES SERVICE

AlphaESS will repair or replace (at AlphaESS' option) any AlphaESS product that fails to operate during the applicable warranty period due to defect in workmanship or material. If a valid claim is made during the applicable period, AlphaESS, at its option, will either (1) replace the product, or (2) exchange the product with a product that is of equal value.

NOT APPLICABLE CONDITIONS

- AlphaESS's warranty does not apply to:
1). Any product that has been misused, abused, modified, accidentally damaged or used for anything other than normal consumer use as authorized in AlphaESS's current product literature;
- 2). Damage caused by failure to use, maintain in accordance with the requirements of the product instruction manual;
- 3). Disassembly and repair by anyone other than professional service personnel of AlphaESS;
- 4). Damage caused by force majeure (such as lightning, fire, earthquake, flood and other natural disasters).

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CONTACT INFO	
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ORDER DETAILS	
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Serial number	
Issue details	
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XI PHYSICS TECHNICAL TERM REFERENCE

Voltage (U)	Unit Volt (V)
Current (I)	Unit Ampere (A)
Power (P)	Unit Watt (W) -- Power = Voltage*Current (P=UI) Unit Ampere hour (Ah) / Milliampere hour (mAh) Electric energy unit watt-hour (Wh) battery energy = nominal capacity*nominal voltage DC output (size/direction does not change with time) AC output (alternating current) (current whose size and direction change periodically)
Capacity	

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