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

- www.sales-alpha.com
- service-pp@alpha-ess.com
- @Alphaessglobalsupportteam

www.alphaess-pp.com

USER MANUAL

BlackBee1000

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

www.alphaess-pp.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 tilt or uneven surface areas when in use or storage.
- Do not use the unit in an environment outside the scope of the use temperature.
- 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 or other items.
- Turn off any appliances (DC) that are not being used in order to conserve power.
- Use only the provided certified charger and cables.
- Non-technical professionals must not disassemble the product.
- Not permitted on aircrafts.
- To ensure the battery lifespan, please use and recharge at least every 3 months.

II PACKAGE LIST

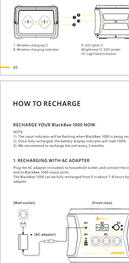
III SPECIFICATION

BATTERY	
Cell Chemistry	LiFePo4 Bat
Energy Storage Capacity	1024.8Wh
Cell Rated Transient Capacity	3000 cycles, 0.5 C-rate
Lifepo4 Bat	>1000 cycles to 80% with full charge/discharge
Shelf life	12 months after full charge, no charge every 3 months
Wattage Compatibility	1000W Continuous, 2000W Peak Surge
Battery Management System (BMS)	Input overcharge protection, output over voltage protection, overload protection, short circuit protection, overtemperature protection
INPUT PORTS	
DC Charging Port (5525)	12V, 24V, 10W MAX, AC adapter, Car charger(included)
USB C PD Port / OUTPUT PORTS	One (15.0W C port), PD 100W
	One (15.0W C port), PD 100W (5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A)
USB Ports x6	Two (5V, 2.4A Each port)
	Two (5V, 0.5A Each port) (5V, 4A each)
DC Port (5525) x2	12V/10A
Car Port x1	12V/10A
AC Inverter x1	230VAC 50Hz, Pure Sine Wave 1000W Continuous, 2000W Surge Peak
Wireless Charging x1	10W Q
Note	Try to keep the receiver in the best position during charging.

GENERAL INFO	LCD Display - info rotates each input/output port, Battery status, warning symbol, alarms
Dimensions (LxWxH)	13.5*10*10.5 inch
Weight	20.5lbs (9.3kg)
Recharging Temperature	32-104°F (0-40°C)
Operating Temperature	14-104°F (-10-40°C)
AC Adapter (included)	100-240V / 50Hz, 1000W (MAX)
Certifications	FCC, CE, RoHS, UN38.3, MSDS
Warranty	24 months

LED LIGHTING FUNCTION	
Output Current	200/50mA
Output Power	2.5W
Color Temperature	5700-6700K
Brightness Level 1	400/100LM
Brightness Level 2	1400/200LM
CHARGING FUNCTION	
Brightness Switch	Short press the button: brightness level 1 (low) → level 2 → turn off; hold for 3 seconds
SOS MODE	Double press the button to turn on. Short press the button to turn off.

IV PRODUCT TOUR & FUNCTIONS



A. Recharge status indicator
B. Power button
C. Input power display
D. Info display
E. Output power display
F. System temperature display

1. Input port (DC 5525)
2. USB-C port
3. USB-A port
4. Car port
5. DC port (5525)
6. AC output port

V CHARGE & RECHARGE

WARNING SYMBOL DISPLAY

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

When the input voltage of recharging is too high, the screen will show the warning symbol. 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 overload or short circuit, the output will shut down immediately, and the symbol flashes 5 seconds prompt.

This symbol flashes to indicate that the product is in low power state (less than 1%). Please kindly charge it to 100% and then use it.

This symbol flashes to indicate the unit is in cryogenic protection mode and the output will be released if the over-draw not display.

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

BATTERY CAPACITY DISPLAY

HOW TO RECHARGE

RECHARGE YOUR BLACKBEE 1000 NOW

NOTE:
1). The input indicator will be flashing when BlackBee 1000 is being recharged.
2). Once fully recharged, the battery display indicator will read 100%.
3). 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 the input port of BlackBee 1000.
The BlackBee 1000 can be fully recharged from 0 to about 7.8 hours by the AC adapter.

2. RECHARGING FROM A USB-C CHARGER

1). Using the USB-C cable(included), plug it into the 100W USB-C Power Port and connect the other end to a compatible USB-C charger (not included).
2). Plug your charger into a household wall outlet.

3. RECHARGING FROM AUTO 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.

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 off to conserve power.

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

SWITCH ON: Press the USB button to activate power to the USB ports. Connect your USB-powered devices to the USB ports on the front of this product. The USB of this unit will provide power for the device.

4. RECHARGING FROM SOLAR PANEL

IMPORTANT NOTICE: Please ensure that the BlackBee 1000 input voltage is 12-24V, and the input port is DC5525.

1). Position your solar panel where it can get as much direct sunlight as possible.
2). Connect 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%.
3). Solar Panels panels are charmable to provide more power to your BlackBee 1000 and reduce solar recharge time.

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 strained 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.

3. OUTPUT FROM DC PORTS

SWITCH ON: Press the DC button 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 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.

4. WIRELESS CHARGING

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

BATTERY MANAGEMENT SYSTEM(BMS)

It is an electronic system that manages the charging of battery to ensure safety. Also, the battery management system includes 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 to restart the AC output. Short circuit may be caused by a fan or an air conditioner, fan dryer may require a peak power to start up or it may occur during its usage.
The AC output recovery 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.

VI USE TIPS

AN OPERATING PRINCIPLE

The fan will turn on when 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

Please avoid electronics, batteries, and packaging materials to dedicated collection points.

ECO MODE

For cooling power: BlackBee 1000 will shut off automatically if 0.1 AC output for 15MIN or 10 hours
Turn off AC mode: Press the INPUT button in front for 3 seconds, and the LED will flash "5".

VII TROUBLESHOOTING

1. PROBLEM WITH INPUT (AC/DC)
Q: Why I have the ORIGINAL AC/DC charger cables are connected firmly and correctly.
A: Check if the charging indicator is ON.
* Check if the LED 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.
* Make sure the solar panel is facing the sun or at the sole panel.
* Make sure there is NO shadow cast on the panel.
* Test a under moderate STRONG sunlight.
* Try to unplug and plug for several times.
* Try to restart.
Test 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/LED SCREEN)
Q: WHAT THE the power station by holding the INPUT BUTTON for 3 seconds?
* Recharge the power station to 100% and test it again.

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: Yes, the BlackBee 1000 can be used as UPS, need to press the power button in front on the AC/DC/DC output, so it can be turned on and off automatically.

Q4: How to know the working time for my device?
A: Working time = 1024Wh* 0.8/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?
A: Check the LED Battery Display shows the input watts.

Q7: Can I keep this charged up by keeping it plugged in all the time? Is it harmful to the battery?
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.

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 serves the first consumer purchaser as proof of purchase. Warranty claims must be filed 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 within the applicable warranty period, AlphaESS will, at its sole option:(1)repair 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, improperly installed, improperly maintained or not authorized AlphaESS's current product literature.
2) Damage caused by failure to use, maintain in accordance with the instructions provided in product literature.
3) Unauthorized repair by anyone other other professional service personnel of AlphaESS.
4) Damage caused by force majeure (such as lightning, fire, earthquake, flood and other natural disasters).

X WARRANTY CARD

PLEASE SEND BACK INFORMATION REQUIRED BELOW, WHICH WILL ENABLE US FOR US TO MAKE A FAST SOLUTION FOR YOUR ISSUE
CUSTOMER SUPPORT: service-pp@alpha-ess.com

WARRANTY	
CONTACT INFO	
Buyer name	Street address:
ORDER DETAILS	
Order number	
Serial number	
Issue details	
Attachment of purchase & photos of the device itself with AlphaESS logo showing	

XI PHYSICS TECHNICAL TERM REFERENCE

Voltage (V)	Unit Volt (V)
Current (I)	Unit Ampere (A)
Power (P)	Unit Watt (W) ; Power = Voltage*Current (P=UI)
Capacity	Electric energy unit Watt (W) ; Milliampere hour (mAh) = 1Ah = 1000mAh
	Electric energy unit watt-hour (Wh) battery energy capacity = battery voltage*battery capacity
	DC output size/direction does not change with time/ AC output (alternating current [current whose size and direction change periodically.