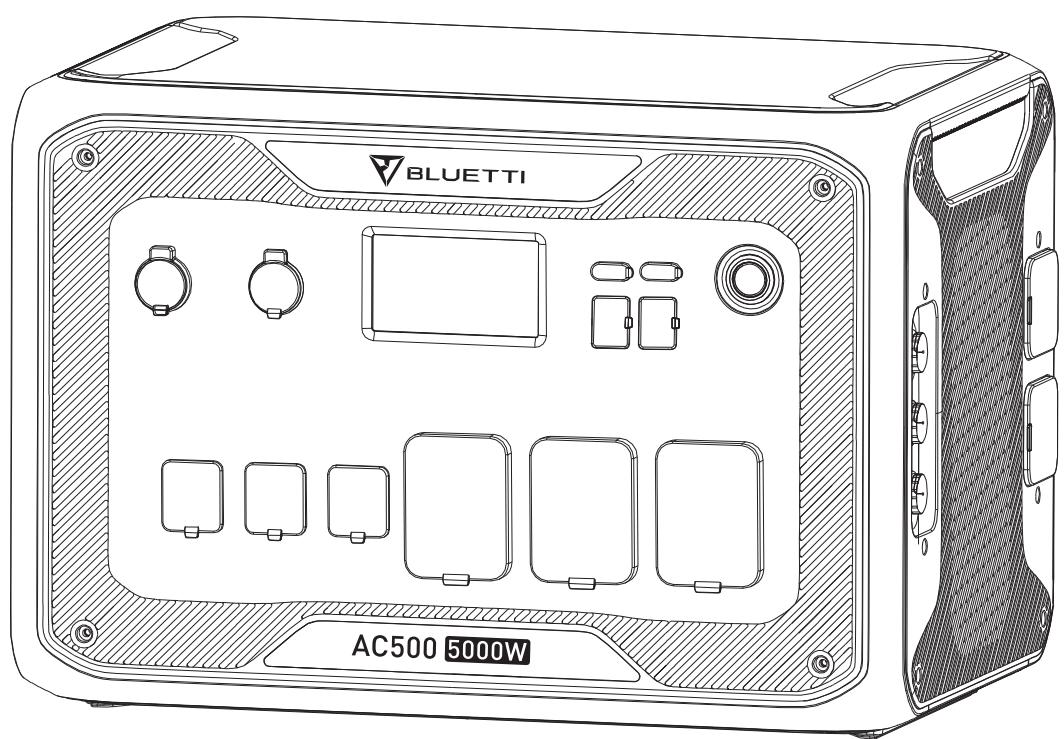


User Manual

# BLUETTI AC500





# Thank You

Thank you for making BLUETTI a part of your family.

From the very beginning, BLUETTI has tried to stay true to a sustainable future through green energy storage solutions for both indoor and outdoor use while delivering an exceptional eco-friendly experience for our homes and our world.

That's why BLUETTI makes its presence in 70+ countries and is trusted by millions of customers across the globe.



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# Before You Begin

The information contained herein is subject to change without notice.

For the latest version, please visit <https://www.bluettipower.com/pages/user-guides>.

- The user manual contains instructions and notes on the operation and use of this unit.
- BLUETTI recommends that you use genuine accessories from BLUETTI.
- BLUETTI shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the BLUETTI.
- For your safety and benefit, please read carefully before using and keep it handy for future reference.

# Safety Instructions

## General Safety

BLUETTI products are developed to be safe and reliable. Please read this guide for important safety information about your device. The guide is intended to help you be more comfortable and productive while using this device. Failure to follow these guidelines for proper set up, use, and care for your device may cause damage to this unit and injury to yourself or others.

### **SAVE THESE INSTRUCTIONS!**

- Always operate or store the unit in accordance with specified temperature range.
- DO NOT expose the unit to fire, liquids, sweat, dirt or other contaminants, as that may cause fire or electric shocks.
- DO NOT place the unit on an unstable or tilted surface.
- Make sure the place where you are using the unit is well ventilated and spacious.
- Keep away from children and pets.
- DO NOT ignore those warning signs on components or products made by manufacturers.
- DO NOT dismantle, cut, crush, puncture, or otherwise damage the unit in any way.
- DO NOT insert foreign objects into the fan, vents, ports, or other openings.
- NEVER use a damaged battery or component. Improper use or misuse of damaged batteries may cause damage to your device or injury to yourself as a result of battery fluid leakage, fire, overheating, or explosion.
- Use approved battery and accessories ONLY. Improper use, or use of unapproved or incompatible batteries or components may result in a risk of fire, explosion, or other hazards, and may invalidate any approval or warranty.
- Turn off the unit IMMEDIATELY in case of malfunction.
- Use dry powder fire extinguisher in case of fire.

- DO NOT attempt to modify, replace the internal components of the unit by anyone other than qualified personnel. If necessary, take it to an authorized service center as incorrect reassembly may result in a risk of fire or electric shock.

### **SAVE THESE INSTRUCTIONS!**

## **Maintenance**

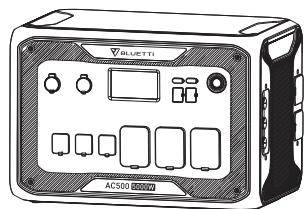
- When not using the unit for extended periods of time, power off the unit and disconnect from the outlet.
- Charge the unit to 50%~70% SOC every 3 months for long-term storage.
- Clean the unit with a dry cloth gently and carefully.

## **Handling and Storage**

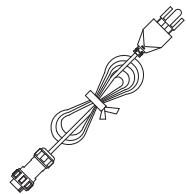
- Use mechanical assistance as needed (e.g. trolleys and adjustable height workbenches).
- DO NOT stack anything on top of the unit either in storage or in use.
- Recommended storage temperature: 0°C~40°C/32°F~104°F.

# What's In The Box

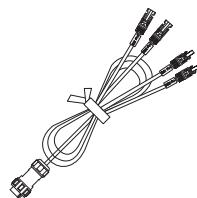
## Standard Packaging



Portable Power Station



15A AC Charging Cable



DC Input Cable



Car Charging Cable

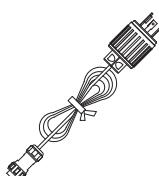


User Manual

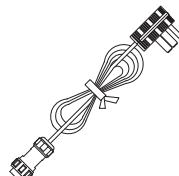


Warranty Card

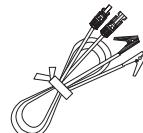
\* Below accessories are not included in standard packaging and can be purchased separately at <https://www.bluettipower.com/>.



30A AC Charging Cable



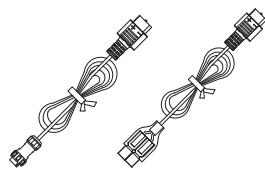
50A AC Charging Cable



Lead-acid Battery Charging Cable



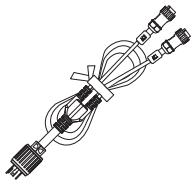
D300S PV Voltage Step Down Module



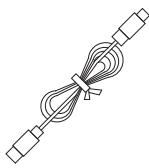
30A RV Cable



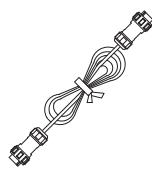
Cigarette Lighter-F to DC5521 Cable (24V)



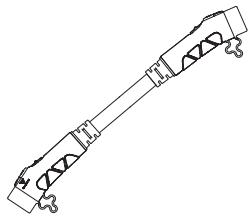
Split-phase AC Charging Cable



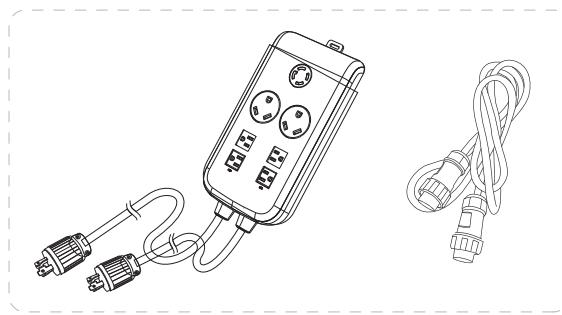
USB-C to USB-C Cable



Communication Cable



P150D to P090D Cable



P030A Fusion Box

**15A AC Charging Cable:** 59in/150cm.

**DC Input Cable:** 59in/150cm. Aviation-MC4.

**Car Charging Cable:** 20in/50cm. Cigarette Lighter Port-MC4.

**30A AC Charging Cable:** 59in/150cm.

**50A AC Charging Cable:** 59in/150cm.

**Lead-acid Battery Charging Cable:** 20in/50cm. Clamp-MC4.

**D300S PV Voltage Step Down Module:** 59in/150cm(output cable).

**30A RV Cable:** Aviation-XT90, 31.5in/80cm;

XT90-SPC45, 20in/50cm.

**Cigarette Lighter-F to DC5521 Cable(24V):** 38in/72cm.

**Split-phase AC Charging Cable:** 59in/150cm.

**USB-C to USB-C Cable:** 79in/200cm.

**Communication Cable:** 59in/150cm.

**P150D to P090D Cable:** 31.5in/80cm.

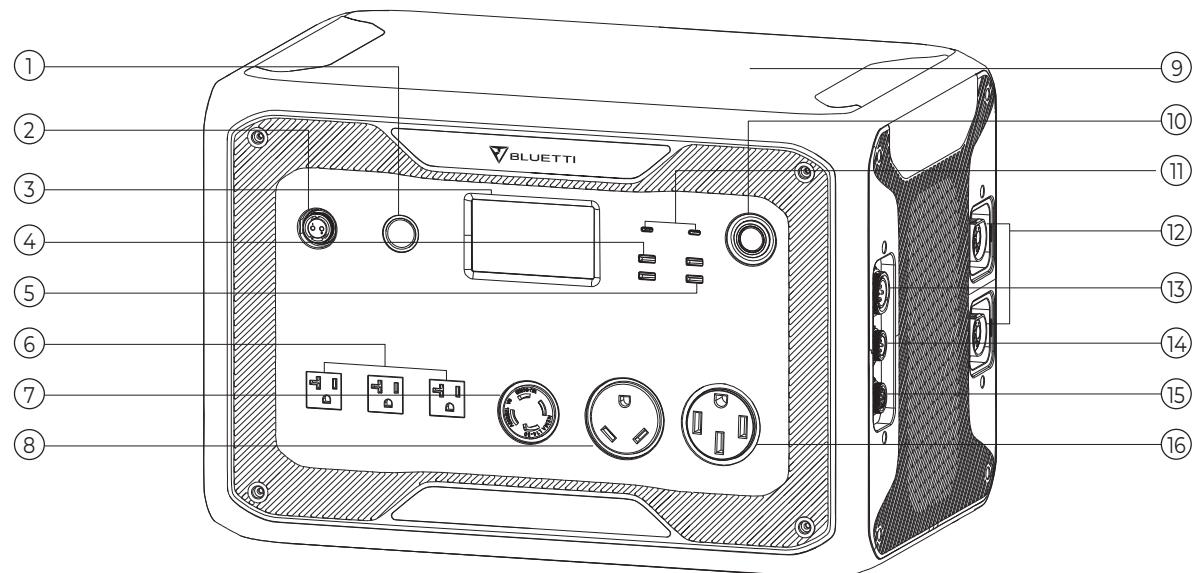
**P030A Fusion Box:** 122in/310cm; 73in/185cm.

**Note:** All measurements are for reference only.

Package details are subject to change without prior notice.

# Product Overview

## Diagram



1. 24V/10A Cigarette Lighter Port	9. Wireless Charging Pad
2. 12V/30A RV Port	10. Power Button
3. LCD Screen	11. USB-C
4. 18W USB-A Port	12. Battery Expansion Port
5. USB-A Port	13. AC Input
6. AC Output	14. DC1/DC2 Input
7. L14-30R Port	15. Communication Port
8. TT-30R Port	16. NEMA 14-50R Port

## Specifications

AC500		
General		
Battery Capacity (With 1-6 B300S)	3072Wh~18432Wh/60Ah~360Ah	
Dimensions (L*W*H)	20.5in×12.8in×14.1in/520mm×325mm×358mm	
Weight	66.2lb/30kg	
Discharging Temperature	-4°F~104°F/-20°C~40°C	
Charging Temperature	-4°F~104°F/-20°C~40°C	
Storage Temperature	-4°F~104°F/-20°C~40°C	
Over Temperature Protection (With B300S)	Discharging	65°C (Recovery at 55°C)
	Charging	55°C (Recovery at 45°C)
Working Humidity	10%~90%	
AC Output		
Power	5000W	
Surge	10000W	
Voltage	120V	
Current	41.7A	
Frequency	50/60Hz	
Overload	5000W~6000W, 2min	
	6000W~7500W, 5s	
	7500W~10000W, 500ms	
DC Output		
Cigarette Lighter Port *1	Voltage	24VDC
	Current	10A
12V/30A RV *1	Voltage	12V
	Current	30A
	Overload	418W, 400ms
USB-A *2	Voltage	5V
	Current	3A
USB-A QC3.0 *2	Power	18W Max. (5V~12V, 3A)
USB-C PD3.0 *2	Power	100W Max. (5/9/12/15/20V, 3A; 20V, 5A)
Wireless Charging *2	Power	15W Max.

AC Input	
Power	5000W Max.
Voltage	120V
Current	49A Max.
DC Input	
Power	1500W*2
Voltage	12V~150V
Current	15A*2

**Note:** If there's only one B300S, the combo gets a maximum AC output of 4500W.

With the 15A AC charging cable, the combo gets a maximum of 1800W AC input.

When connecting B300S with the T500 adapter or AC500 to the grid, B300S is able to self-heat and get charged even at -4°F/-20°C.

# Operation

## Powering On/Off

Powering on: Press the power button either on AC500 or B300S and hold for at least 1s to start up the combo.

AC/DC Output: Tap the 'AC ON/OFF' or 'DC ON/OFF' to enable or disable.

Operation	Green Light(On the Buttons)	LED Indicator(On B300S)
Powering On	ON	ON
Powering Off	OFF	OFF

**Note:** Turn on the DC power to enable wireless charging.

When connected to the grid or PV, the combo turns on automatically.

Powering Off: Press the power button either on AC500 or B300S to shut down the combo.

**Note:** The combo turns off automatically upon 4 hours:

a: No input and output

b: AC and DC output off

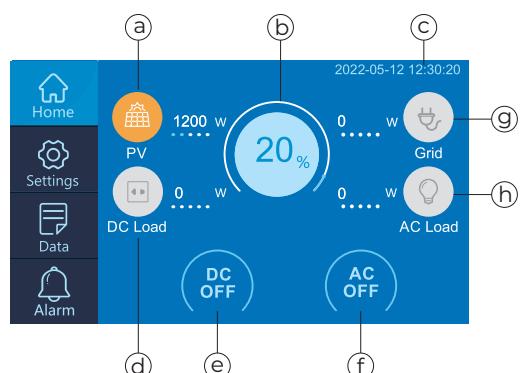
## LCD Screen

### Homepage

Tip: It's recommended to touch the LCD resistive touchscreen lightly with the edge of your fingernail until it "beeps" when it registers a press.

**NOTE:** Touch sound can be turned ON/OFF in the Settings menu.

The pictures of the LCD screen are for reference only. The actual product may be different.



a: PV Input e: DC ON/OFF

b: Battery Level f: AC ON/OFF

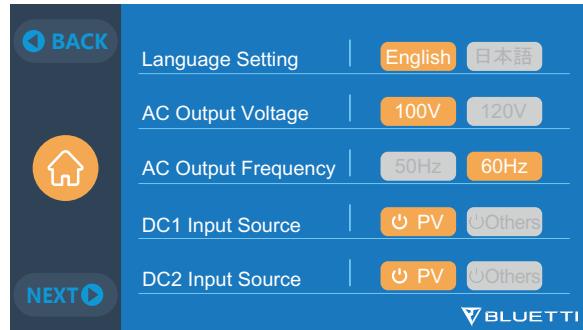
c: Date/Time g: Grid Input

d: DC Load h: AC Load

## Settings

Tap Settings on the homepage to enter the settings page.

- Page 1



Language Setting: Tap to select the system language of AC500.

AC Output Voltage: Tap to select the AC output voltage of AC500.

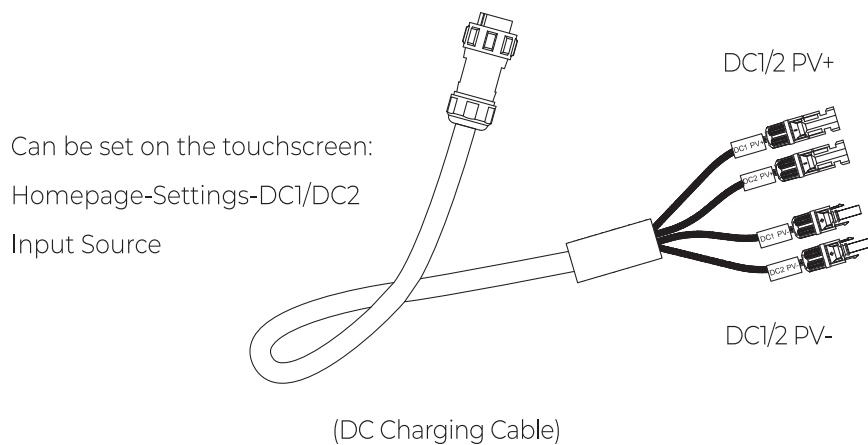
AC Output Frequency: Tap to select the AC output frequency of AC500.

**Note:** Please check the output voltage, frequency, and other parameters BEFORE first use. AC frequency and voltage can only be adjusted after the AC output is turned off. (Tap the AC icon on homepage to turn OFF AC output).

DC1 Input Source & DC2 Input Source: Tap to select PV or Others as the input source.

AC500 features dual MPPT charge controllers for a maximum of 3000W solar input.

Along with the DC input cable, it supports two DC input sources simultaneously, namely DC1 and DC2. DC1/DC2 consists of both positive and negative poles of the MC4 plugs.



- Page 2



ECO: Tap to enable/disable the ECO mode.

**Note:** When in ECO mode, the AC output will automatically turn OFF after 4-hour low (<=30W) or no load to save power.

Machine Type: Tap to set the machine type to Single Phase or Split Phase. Refer to Split Phase System in this manual for more details.

Working Mode: Tap to set the UPS working mode to Standard UPS, Time Control UPS, PV Priority UPS or Customized UPS. Refer to UPS section in this manual for more details.

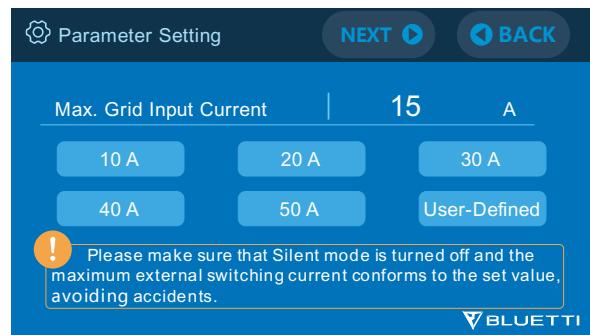
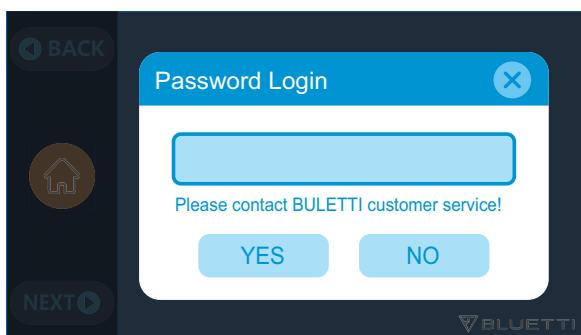
**Note:** The AC500+B300S is set to Standard UPS Mode by default.

Silent Mode: Tap to enable/disable silent mode.

**Note:** In this mode, the fan speed is reduced by limiting the grid input current, allowing the AC500 to run silently.

Max. Current Settings: Tap to set the maximum grid input current.

Warning: Consider the specifications of utility grid, AC outlet and charging cable before setting the Max. Grid Input Current. BLUETTI shall not be liable for any damages, injuries, or other liabilities directly or indirectly from the setting changes..



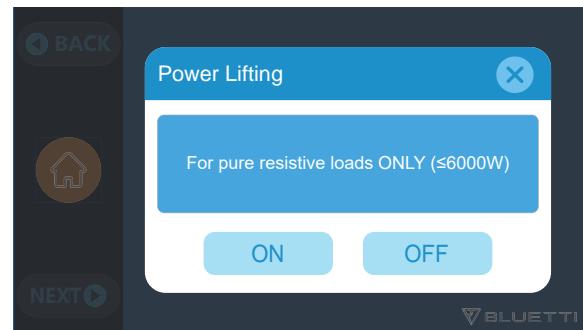
**Note:** When the current exceeds the preset value, AC500 will take charge to be the power source of the circuit.

The Grid Input Current is set at 15A by default. The change only takes effect when AC500 connects to the grid. Email BLUETTI Customer Service for the password.



PV Parallel Enable: Tap to enable/disable PV Parallel mode.

Power Lifting: Tap to enable/disable Power Lifting mode. Refer to Power Lifting Mode section in this manual for more details.

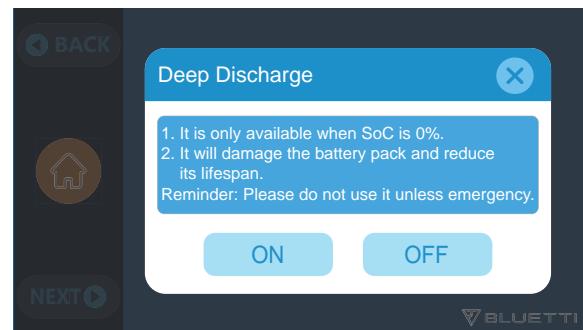


Deep Discharge: Tap to enable/disable Deep Discharge.

**Note:** Please do not use it unless emergency.

It is only available when SOC is 0%.

It will damage the battery pack and reduce its lifespan.



Buzzer Setting: Tap to enable/disable the alarm sound.

Touch Sound: Tap to enable/disable the touch sound.

- Page 4



Bluetooth: Tap to turn ON/OFF Bluetooth.

Bluetooth State: Showing the state of Bluetooth.

Wi-Fi: Tap to turn ON/OFF Wi-Fi.

Wi-Fi State: Showing the state of Wi-Fi.

Backlight Brightness: Slide to adjust the brightness of the screen.

**Note:** AC500 can not be connected to BLUETTI App when both of the Wi-Fi and Bluetooth functions are disabled.

- Page 5



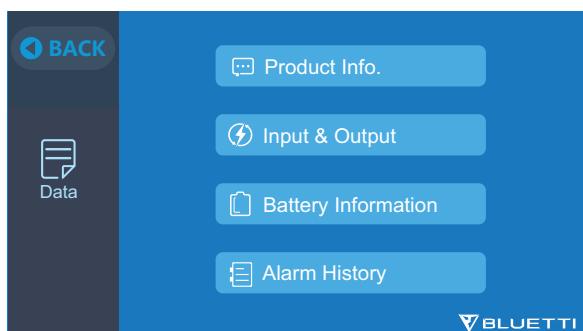
Sleep Time: Tap to change the sleep time of AC500.

Restore Factory Settings: Tap to reset the system to factory default settings.

Date Setting & Time Setting: Tap to adjust the Date and Time.

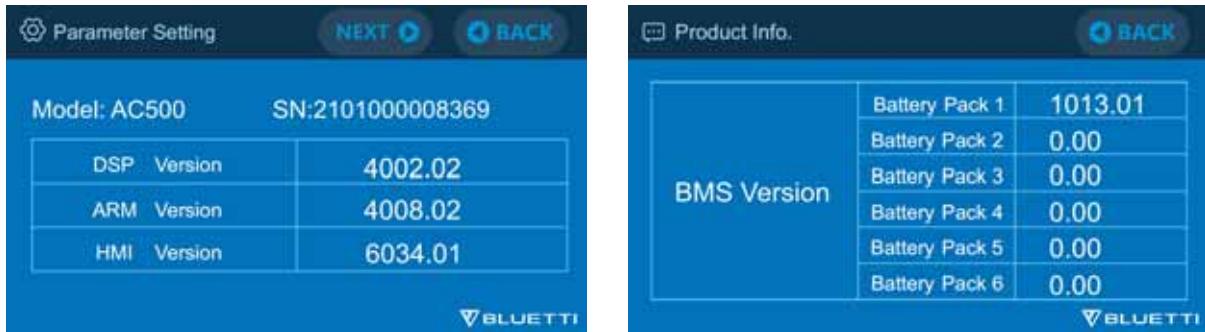
## Data

Tap "Data" on the Homepage to enter the settings interface.



- Product Info

This section includes the information about product model, serial number (SN), control firmware (DSP), monitoring firmware (ARM), display firmware (HMI) and BMS. The Serial Number (SN) can also be used to bind the unit to BLUETTI APP manually.



- Inverter & Charger Info

This section displays the input and output status of the unit. These information is also displayed on the homepage.



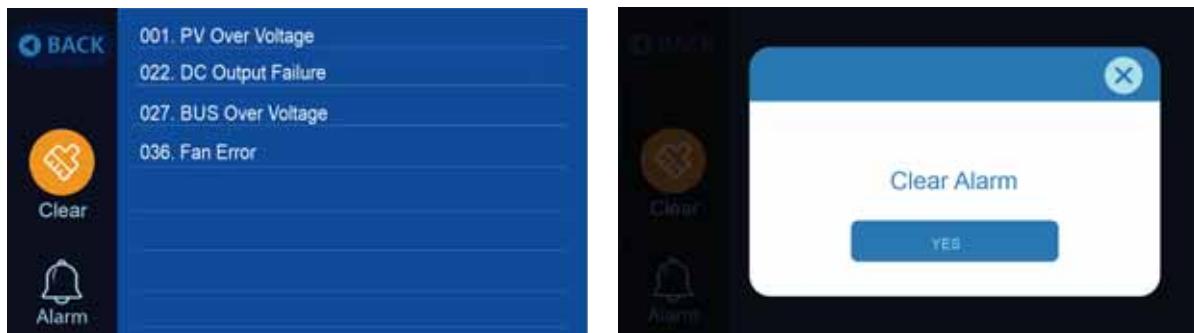
- Battery Information

This section is about the connection and operation status of battery pack(s), which can also be accessed directly from the homepage.



- **Alarm History**

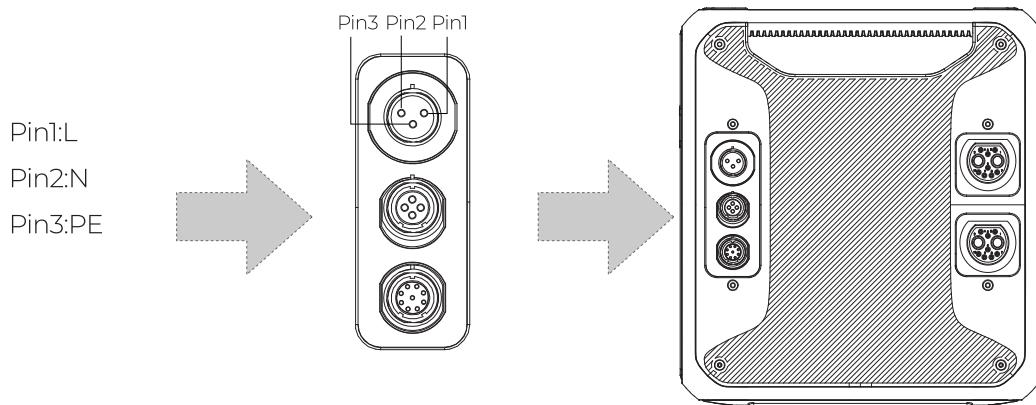
This section records all alarms generated which can be manually deleted.



## Charging

AC500+B300S supports AC charging (wall outlet, generator), DC charging (solar, AC adapter, car, lead-acid battery), and DUAL charging through AC Charging Port[CP1] and DC Charging Port [CP2].

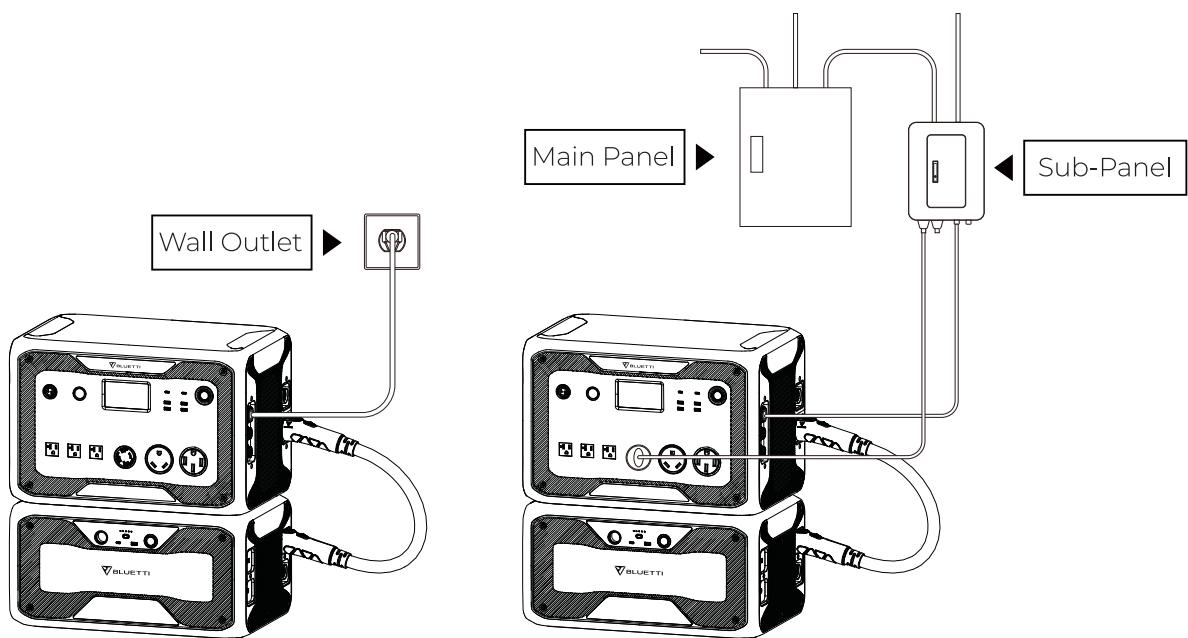
### AC Input (1st Charging Port: CP1)



- **Charging Method 1: AC charging**

Connect the AC500+B300S to a wall outlet via the AC charging cable. The charging automatically stops when the AC500 system reaches 100% capacity.

The maximum charging power allowed is up to 5000W.



- Charging Method 2: Generator Charging(Gasoline/Propane/Diesel)

Connect the AC500+B300S to a generator via the generator charging cable.

The charging automatically stops when the AC500 system reaches 100% capacity.

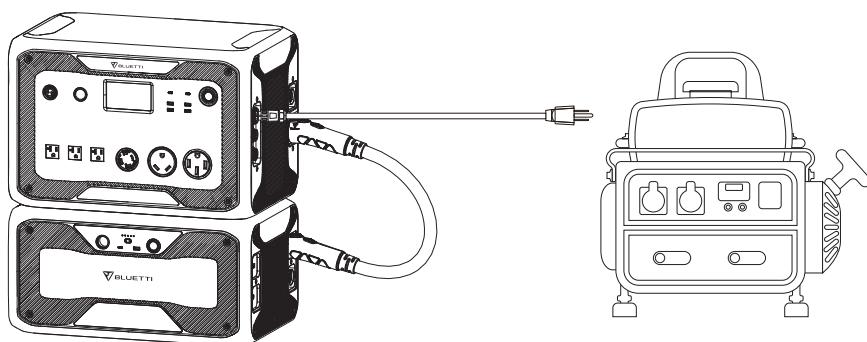
**Note:** It is recommended to use a generator with pure sine wave output, such as inverter generator.

Please make sure your generator meets the following:

Voltage: 120VAC

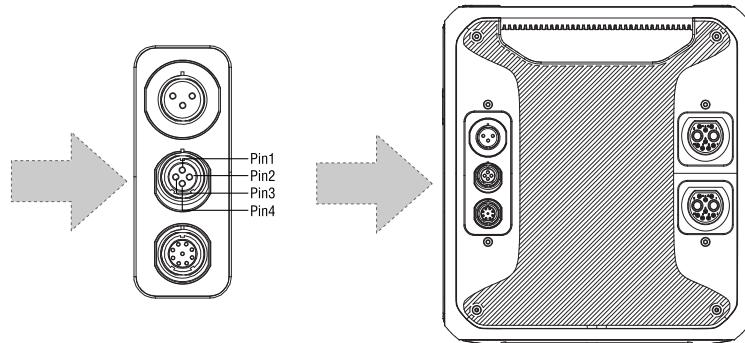
Frequency: 50Hz/60Hz\*

\*If the AC input frequency of AC500 is set to 50 Hz, use a generator with a frequency of 47Hz-53Hz; if it is set to 60Hz, the generator frequency should be 57Hz-63Hz.



## DC Input (2nd Charging Port: CP2)

Pin1: DC1 PV+  
 Pin2: DC2 PV+  
 Pin3: DC1 PV-  
 Pin4: DC2 PV-



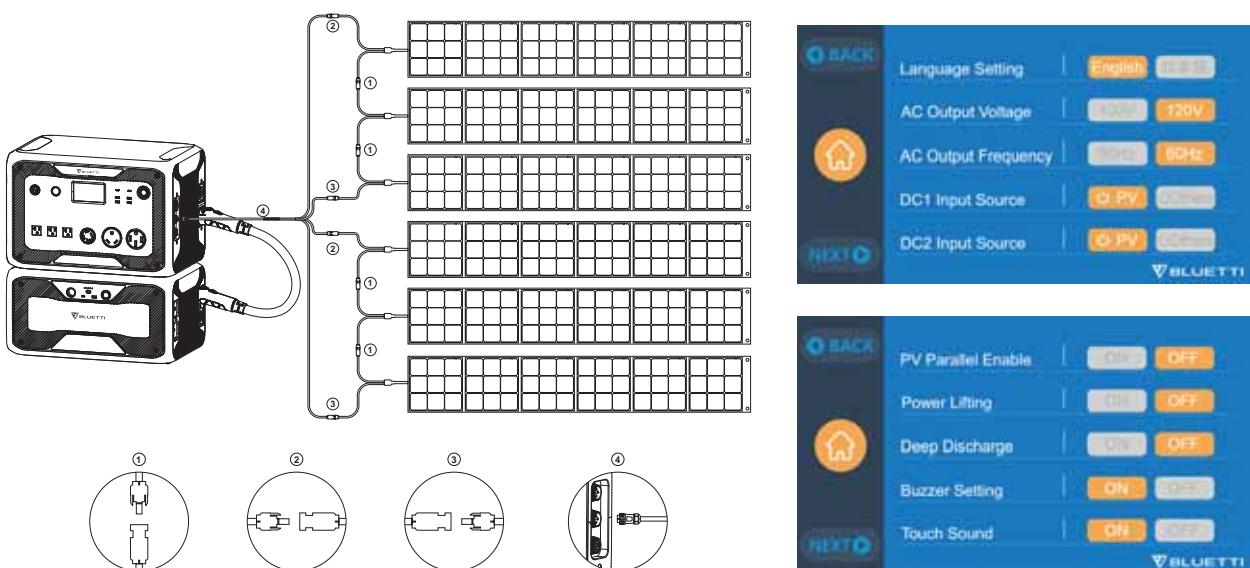
- Charging Method 3: Solar Charging (via 4pin aviation-MC4 cable)

How to connect AC500 to a regular solar panel:

AC500+B300S supports dual PV input, DC1+DC2. Please make sure your solar panels at each input comply with: Voc: 12V-150VDC Current: 15A Max. Power: 1500W Max.

Steps for solar charging:

- Set PV as the DC Input Source.
- Set PV Parallel Enable to OFF.
- Connect solar panels in series(Figure 1).
- Connect the solar panels to AC500 via the DC charging cable (Figure 2, 3,4).



## How to connect AC500 to rooftop solar panels:

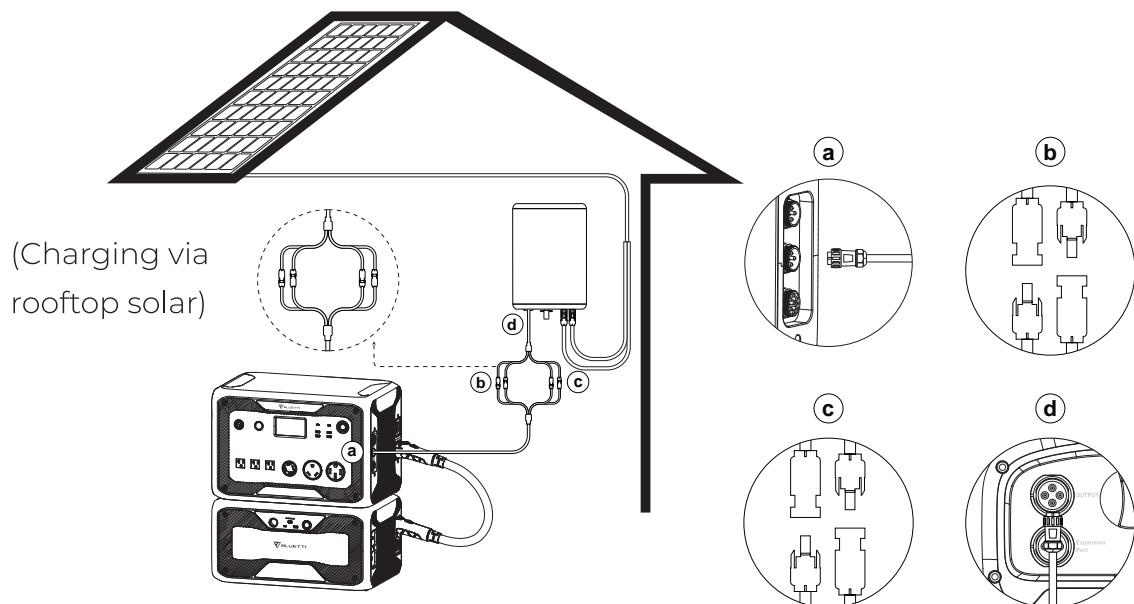
Note: Roof/Rigid panel can charge AC500. If the panel's open circuit voltage falls in 150V-550VDC, use D300S to lower the voltage.

i) 150V<Voc of PV<550V:

Connect to D300S

DC Input Source: Others

PV Parallel Enable: OFF



a. DC output cable to AC500

c. DC2 plug to PV2

b. DC1 plug to PV1

d. DC output cable to D300S



ii) Voc of PV<150V & solar system>1500W:

DC Input Source: PV

PV Parallel Enable: ON

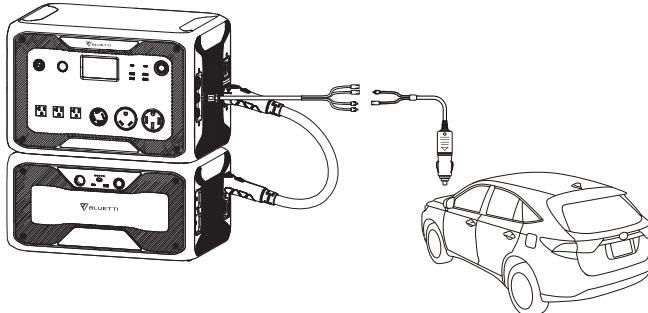


- Charging Method 4: Car Charging

Connect the AC500+B300S to the vehicle plug-in cigarette lighter port via the DC input cable and car charging cable.

**Note:** Set Others as DC1/DC2 input source to enable car charging.

The maximum input current is 8.2A.



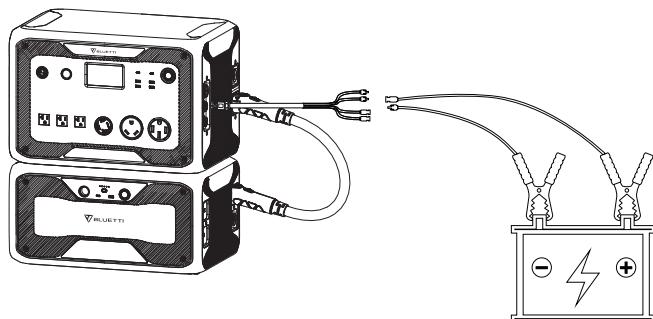
- Charging Method 5: Charging via a 12V/24V Lead-acid battery

Connect the AC500+B300S to the lead-acid battery via the DC input cable and lead-acid battery charging cable. Clamp the positive connector(red) to the positive battery terminal and negative(black) to the other.

**Note:** Set Others as DC1/DC2 input source to enable lead-acid battery charging.

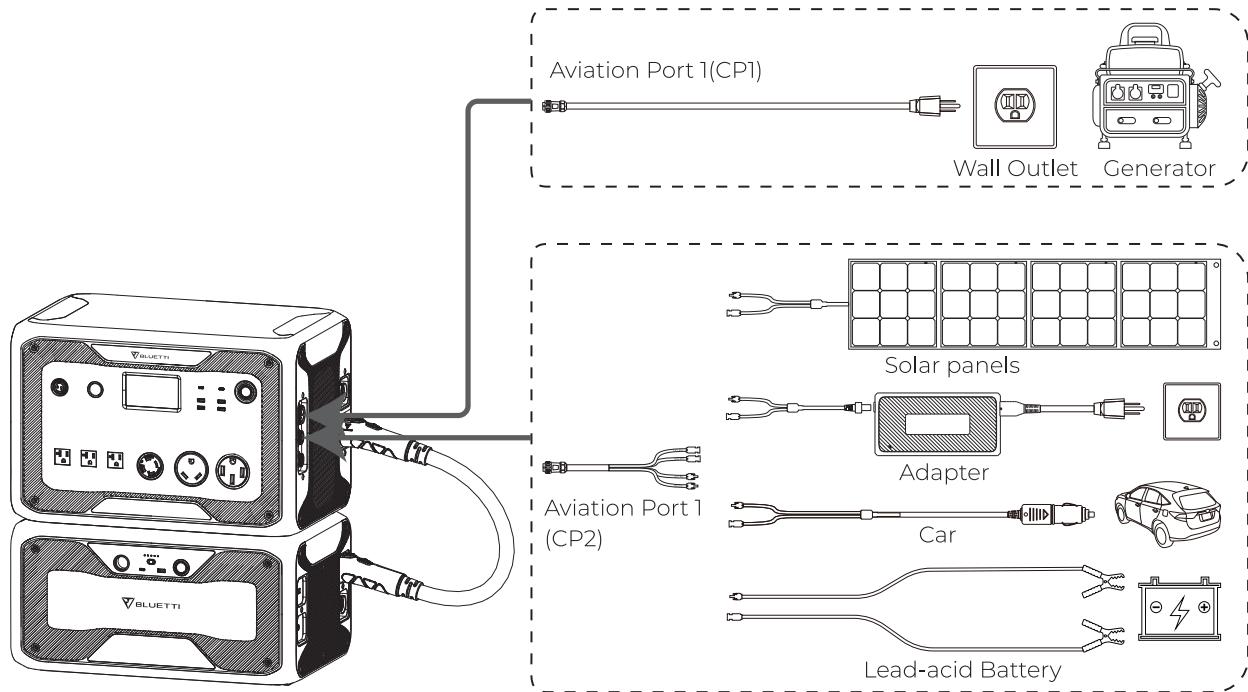
The maximum input current is 8.2A.

The lead-acid charging cable is for charging AC500 only.

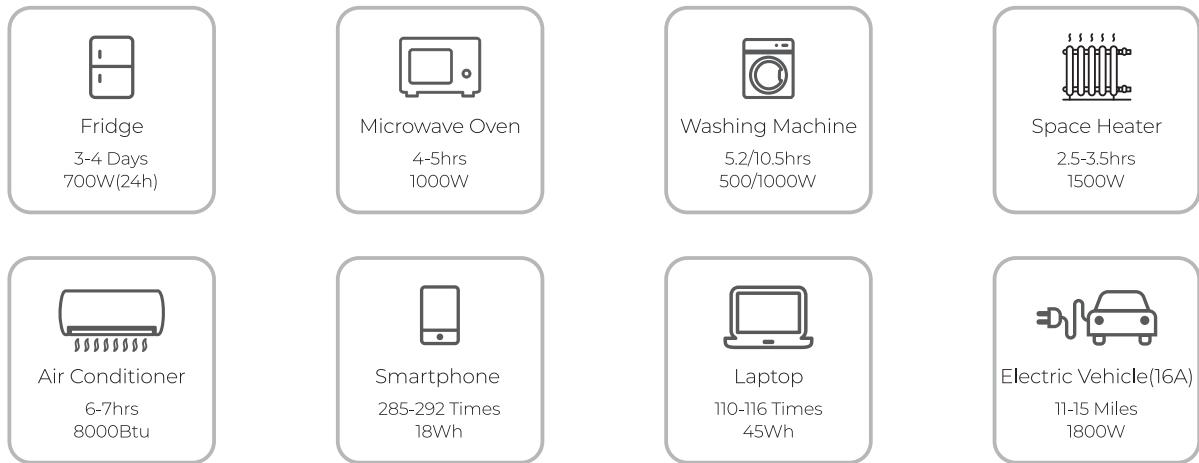


## Dual Charging

AC500+B300S also support dual charging via AC input and DC1/DC2 input ports simultaneously.



## Discharging



$$6144\text{Wh}^* \times \text{DoD} \times \eta \div (\text{load power}) = \text{charging time (estimated)}$$

\* Take the AC500+2\*B300S combo as an example.

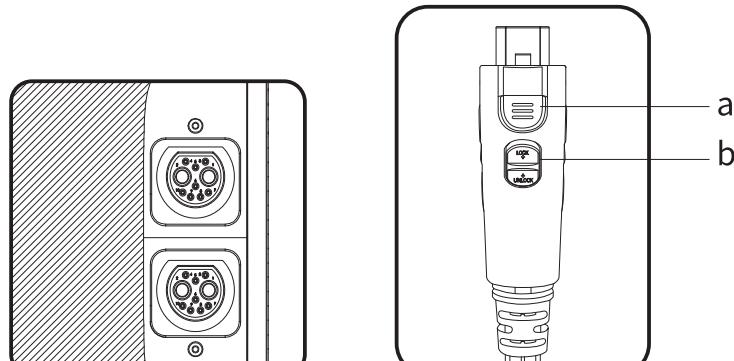
**Note:** DoD refers to the Depth of Discharge,  $\eta$  is the local inverter efficiency. DoD=95%,  $\eta=90\%$ .

DoD may vary depending on ambient-operating temperature and discharge rate.

Load power and charging time are measured in Watt and Hour.

## Capacity Expansion

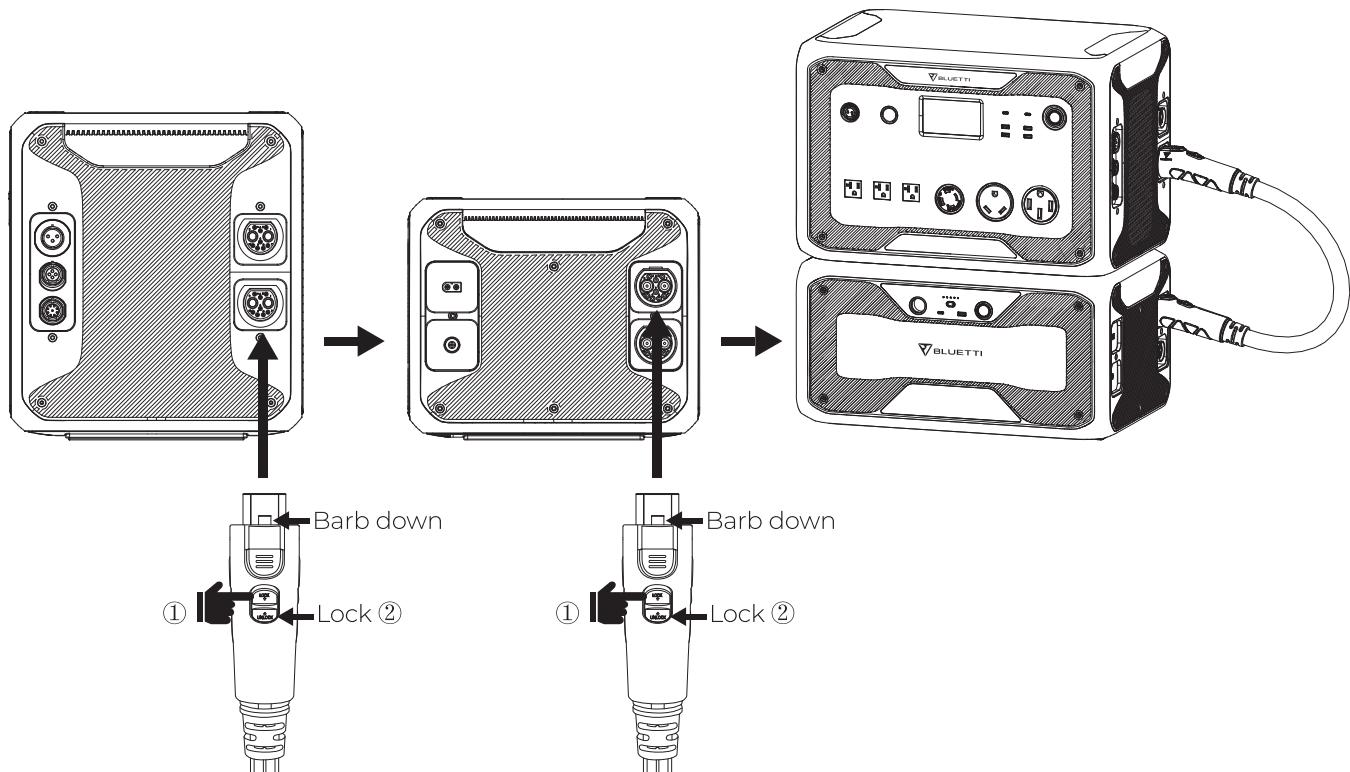
Connect the AC500 power station with B300S via the P150D battery expansion cable.



(P150D Battery Expansion Cable)

a: Press and pull to disconnect the unlocked cable.

b: Lock/unlock the connection.

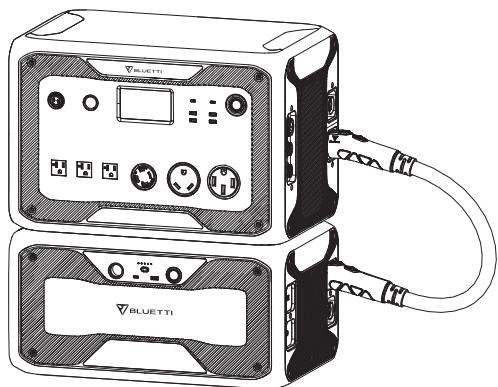


**Note:** Press either the power button on AC500 or B300S to turn on the AC500 + B300S combo.

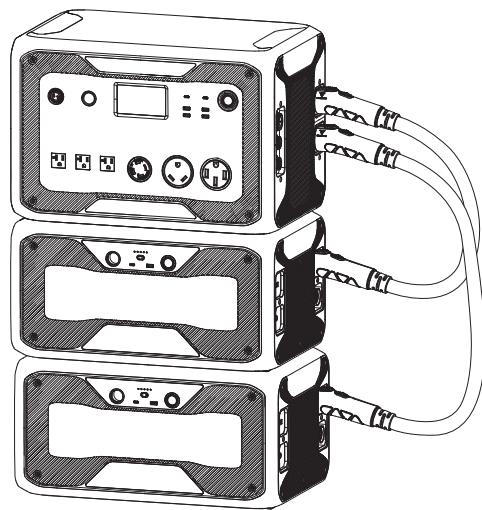
When AC500 is connected to power source, the AC500 + B300S combo turns on automatically.

If there's only one B300S connected, the combo delivers a maximum output of 4500W.

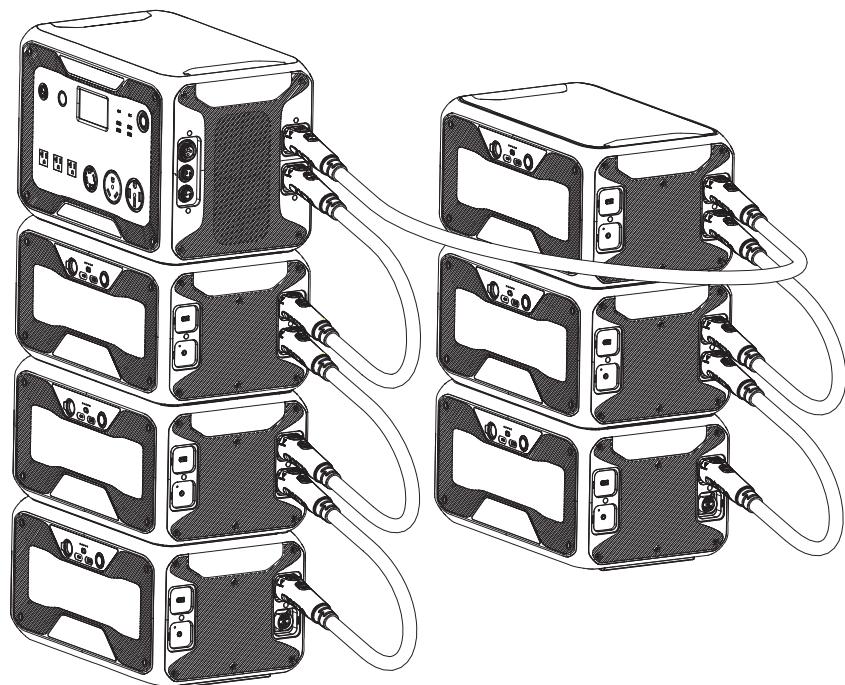
To get 5000W AC output, please connect at least one expansion battery to each expansion port.



AC500 + 1\*B300S = 4500W Max. / 3072Wh



AC500 + 2\*B300S = 5000W Max. / 6144Wh



AC500 + 6\*B300S = 5000W Max. / 18432Wh

### B300S Capacity Expansion Examples

## UPS Description

An uninterruptible power supply or uninterruptible power source (UPS) is an electrical apparatus that provides emergency power to a load when the input power source or mains power fails.

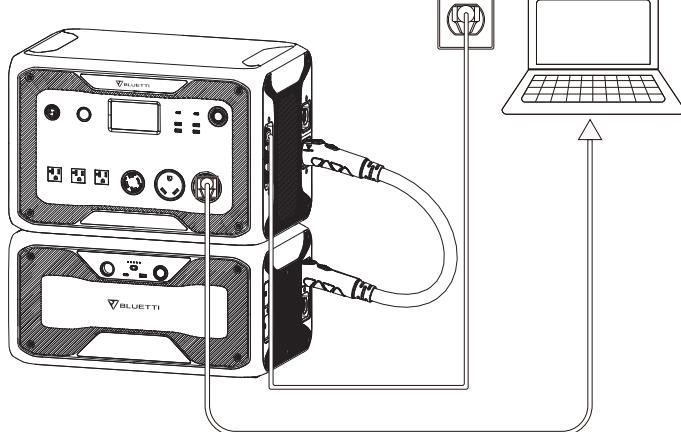
A UPS differs from an auxiliary or emergency power system or standby generator in that it will provide near-instantaneous protection from input power interruptions, by supplying the energy stored in backup batteries.

**Note:** Do not apply this unit to equipment that has high performance requirements for UPS, including data servers, workstations, medical devices, etc. Please perform multiple tests to confirm compatibility before connecting devices.

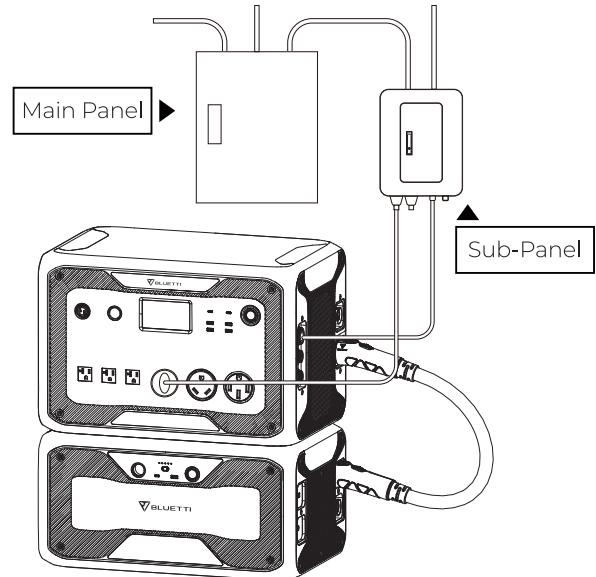
BLUETTI shall not be liable for any loss of data, equipment damage or human injury caused by customers' failure in following the instruction.

- Connection

Tie the AC500 to the grid with sub panel or plug it into the wall outlet with AC charging cable. Then connect loads to the AC output ports of AC500.



(Plug-in UPS)



(Grid-tied UPS)

**Note:** Refer to "How to build a partial-home backup system with AC500+B300S" for more details about Grid-tied UPS.

**Note:** The output power in Plug-in UPS Mode is subject to the specification of the current and voltage from home circuit.

E.g.: Current (10A wire) x Voltage (120V) = 1200W in US

- Activation

On the homepage, tap Settings and then tap Next and Working Mode to select the UPS Mode. The working mode is set at Standard UPS by default.



## UPS Working Modes

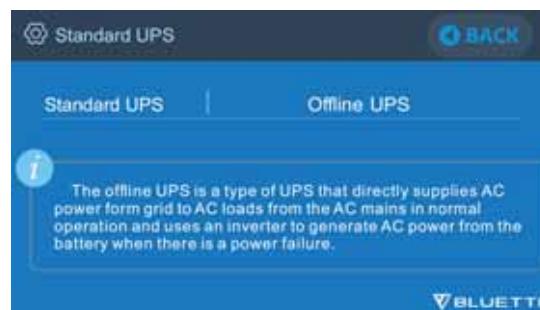
- Standard UPS Mode

AC500+B300S plays as a backup power source when the grid presents, immediately charging your loads when the grid fails. This mode is suitable for regions with unstable grid power supply.

Tap YES to enable Standard UPS Mode:



Standard UPS page:



The combo is set at Standard UPS by default. The grid first charges the combo, and then powers the devices at the AC output ports. When the grid fails, the combo automatically steps in and powers the devices.

Online UPS supplies power from the grid to the load through a rectifier and inverter combination regardless there is grid power or a power outage.

Offline UPS supplies power from the grid directly to the load when grid power is available, and whenever there is a power outage, it provides power to the load through the backup battery.

- Time Control UPS Mode

AC500+B300S charges and discharges at specific time periods, greatly cutting your electricity bills. Recommended charging and discharging time:

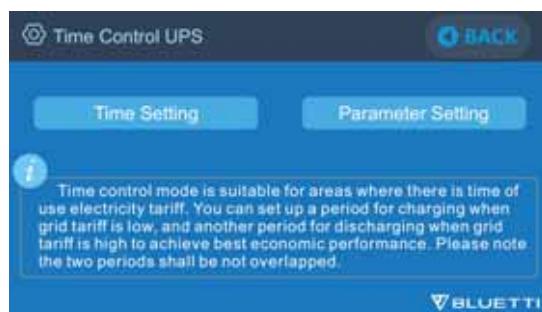
Charge Time: Charge the system during off-peak hours to save money.

Discharge Time: Use AC500+B300S to power your loads when electricity prices are high.

Tap YES to enable Time Control UPS Mode:



Time Control UPS page.



Time Setting: Tap to specify a period for charging when grid tariff is low, and another period for discharging when grid tariff is high to save money.

Parameter Setting: Tap to specify when to cut off power output and when to stop charging by grid.

Tap Time Setting on Time Control UPS page to open Time Setting page:



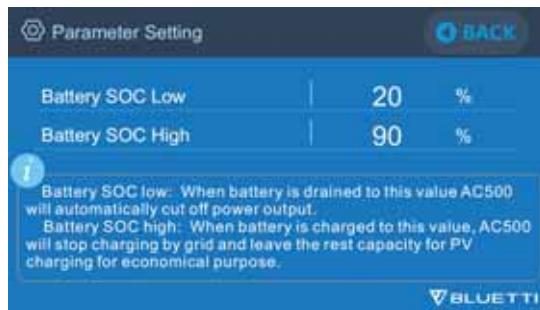
**Note:** Please check if the system date and time is correct before setting this.

These two periods shall not be overlapped.

- Period 1/2 Working Mode:

Tap Charge/Discharge to set the time period to be the charging/discharging period.

Tap Parameter Setting on Time Control UPS page to open Parameter Setting page:



Battery SOC Low: When the remaining battery capacity is lower than preset charge value, the load will be powered by the grid in bypass mode. Setting it at 0 may cause the failure of bypass function.

Battery SOC High: When reaching the preset charge value, AC500 will be recharged via PV instead of the grid.

- PV Priority UPS Mode

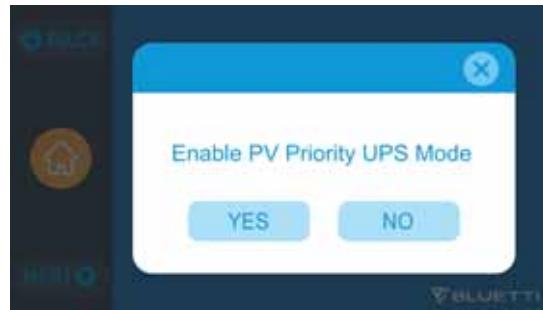
The PV Priority UPS mode is better for regions with plenty of sunlight all the year.

AC500+B300S is mainly charged by solar energy to save power.

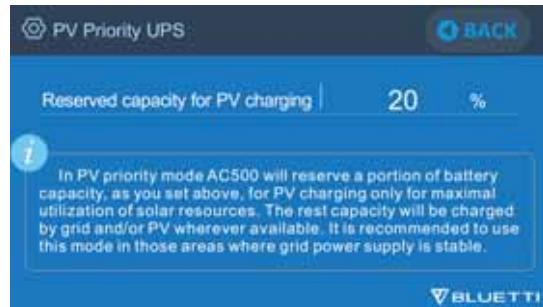
**Note:** When battery SOC is higher than set value, devices on AC outlets are powered by grid and the combo together.

When battery SOC is lower than set value, the grid charges the combo and devices at the same time.

Tap YES to enable PV Priority UPS Mode:



PV Priority UPS page:

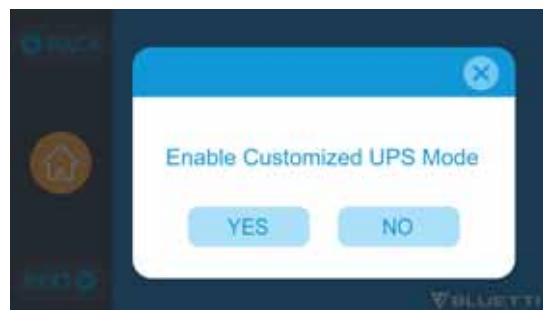


Reserved capacity for PV charging: Specify the portion of battery capacity for PV charging only. AC500+B300S charges to this SOC from the grid, then from solar panels or other sources.

- Customized UPS Mode

AC500+B300S operates based on your energy plan, charging and discharging on schedule, prioritizing solar charging, and more. In this mode, you can also maximize solar energy, or even live completely off the grid by disabling grid charging.

Tap YES to enable Customized UPS Mode:



“Customized UPS” page:



Grid Charge Status: By enabling this, the combo can be charged from the grid and keep the grid settings.

Time Control Status: By enabling this, the combo can keep the settings of charging and discharging time.

Time Setting: Tap to specify the charging and discharging periods for your AC500.

SOC Setting: Tap to specify when to cut off power output and when to stop charging by grid.

**Note:** The Time Setting and SOC Setting also take effect in Time Control UPS and PV Priority UPS modes.

Tap Time Setting on the Customized UPS page:



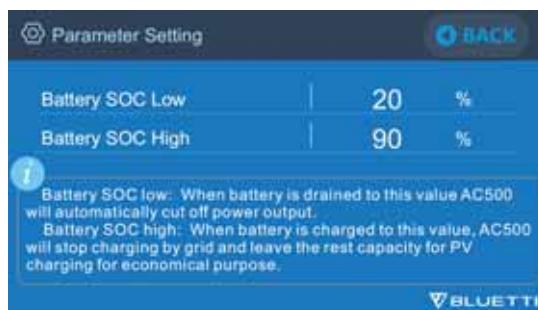
**Note:** Please check if the system date and time is correct before setting this.

These two periods shall not be overlapped.

Period 1/2 Working Mode:

Tap Charge/Discharge to set the time period to be the charging/discharging period.

SOC Setting on the Customized UPS page:



Battery SOC Low: When the remaining battery capacity is lower than preset charge value, the load will be powered by the grid in bypass mode. Setting it at 0 may cause the failure of bypass function.

Battery SOC High: When reaching the preset charge value, AC500 will be recharged via PV instead of the grid.

## Power Lifting Mode

This mode can be enabled in BLUETTI App. When in this mode, the combo can power high drain pure resistive loads<sup>5</sup> ( $\leq 6000W$ ), while the rated output power remains 5000W.

**Note:** Make sure the combo disconnects the grid and the B300S doesn't overload.

The AC500 detects the resistance of devices and adjusts the output voltage automatically.

The mode fails when the voltage is below 70% of its rated.

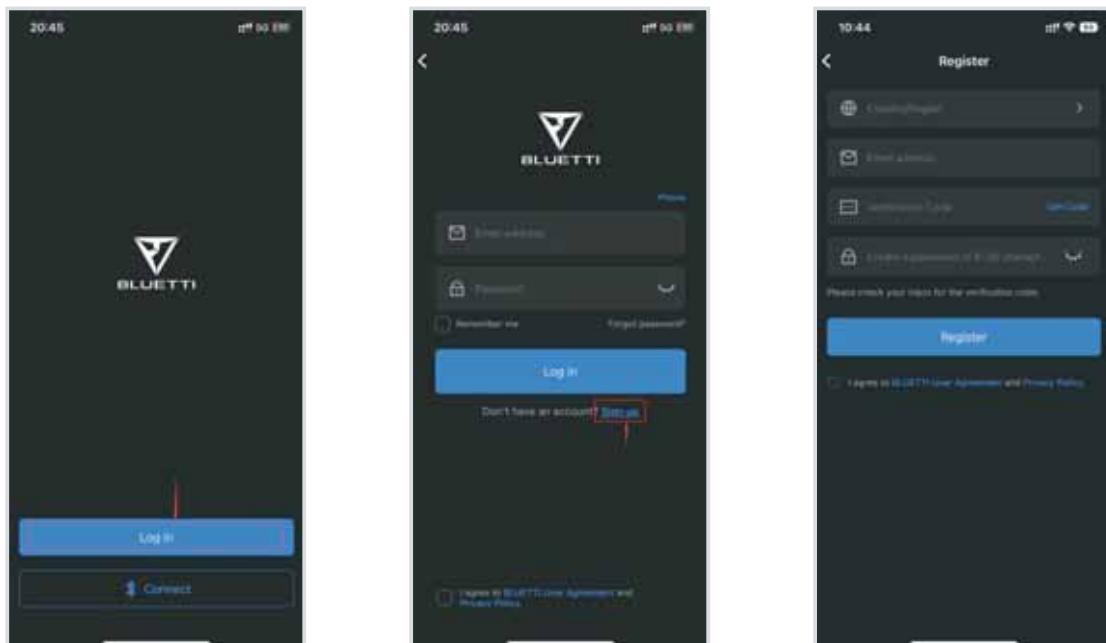
## BLUETTI APP

Download the BLUETTI App from App Store or Google Play.



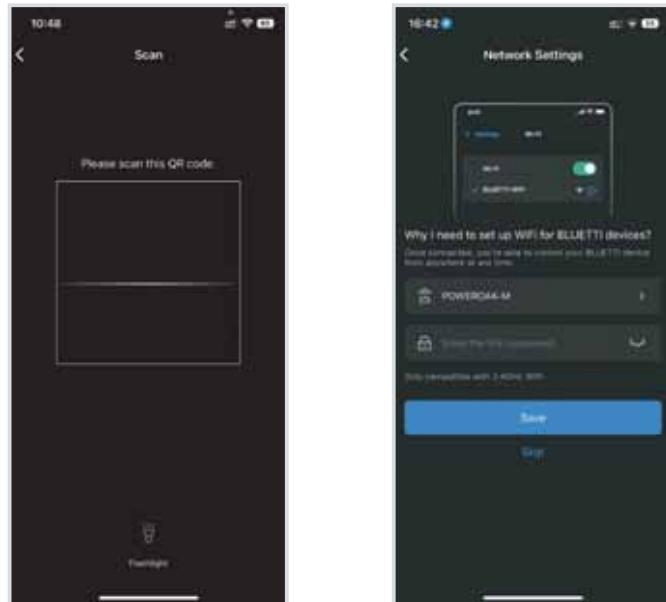
## WiFi Connection

(1) Tap Login and Sign up to register BLUETTI account.



<sup>5</sup> Includes heaters, irons or any other devices consisting of heating elements only.

(2) Scan the QR code on the unit and set the WiFi network.



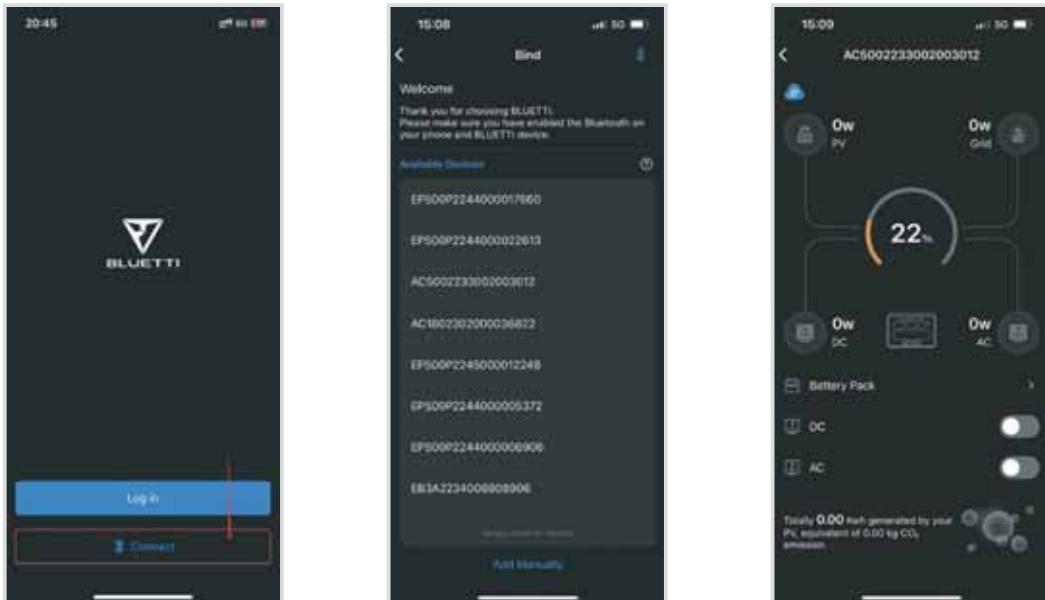
**Note:** The unit supports 2.4GHz WiFi ONLY.

Find the SN(Serial Number) on the unit or from the 'Product Info.'

If the WiFi connection fails, go to Settings(on your phone), tap BLUETTI and allow the network.

## Bluetooth Connection

Tap '⌘ Connect' and pair with the unit.



**Note:** For better IOT experience, please register the unit with WiFi.

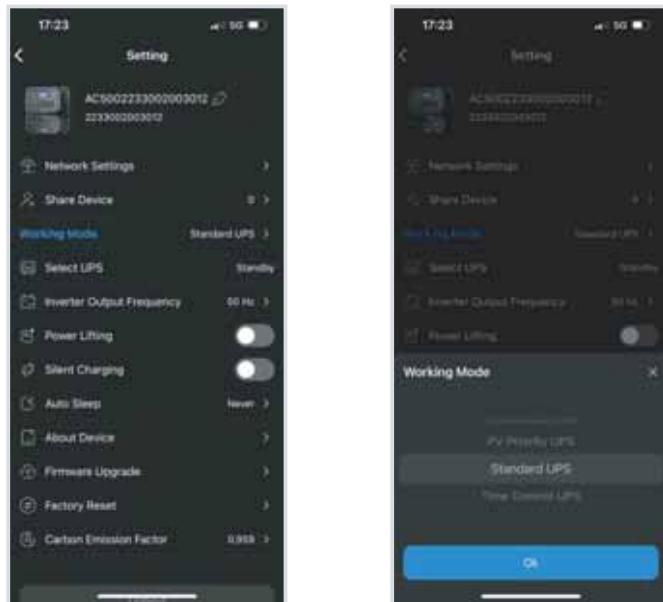
Keep your phone no more than 16.4ft/5m away from the unit during the upgrade.

## Customizing Settings

Tap '  ' to customize the settings.



Tap Working Mode to choose UPS mode. Refer to UPS section in this manual for more details.

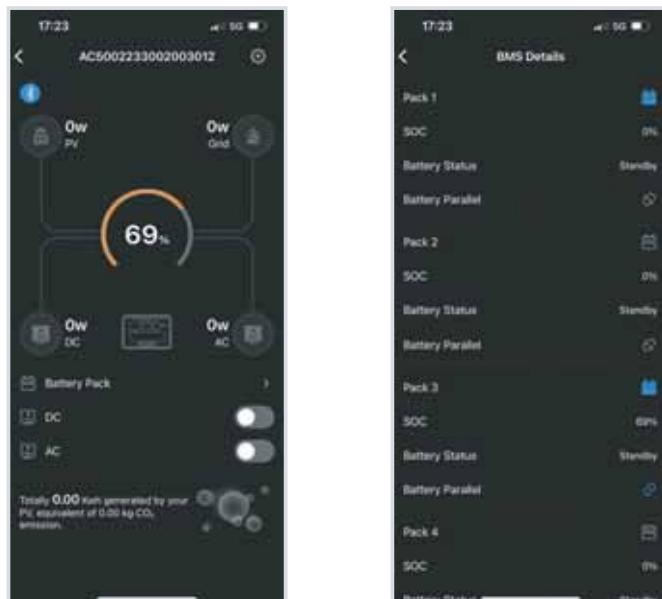


The unit supports over-the-air(OTA) firmware upgrade. Tap Firmware Upgrade to upgrade the software systems.



## BMS Details

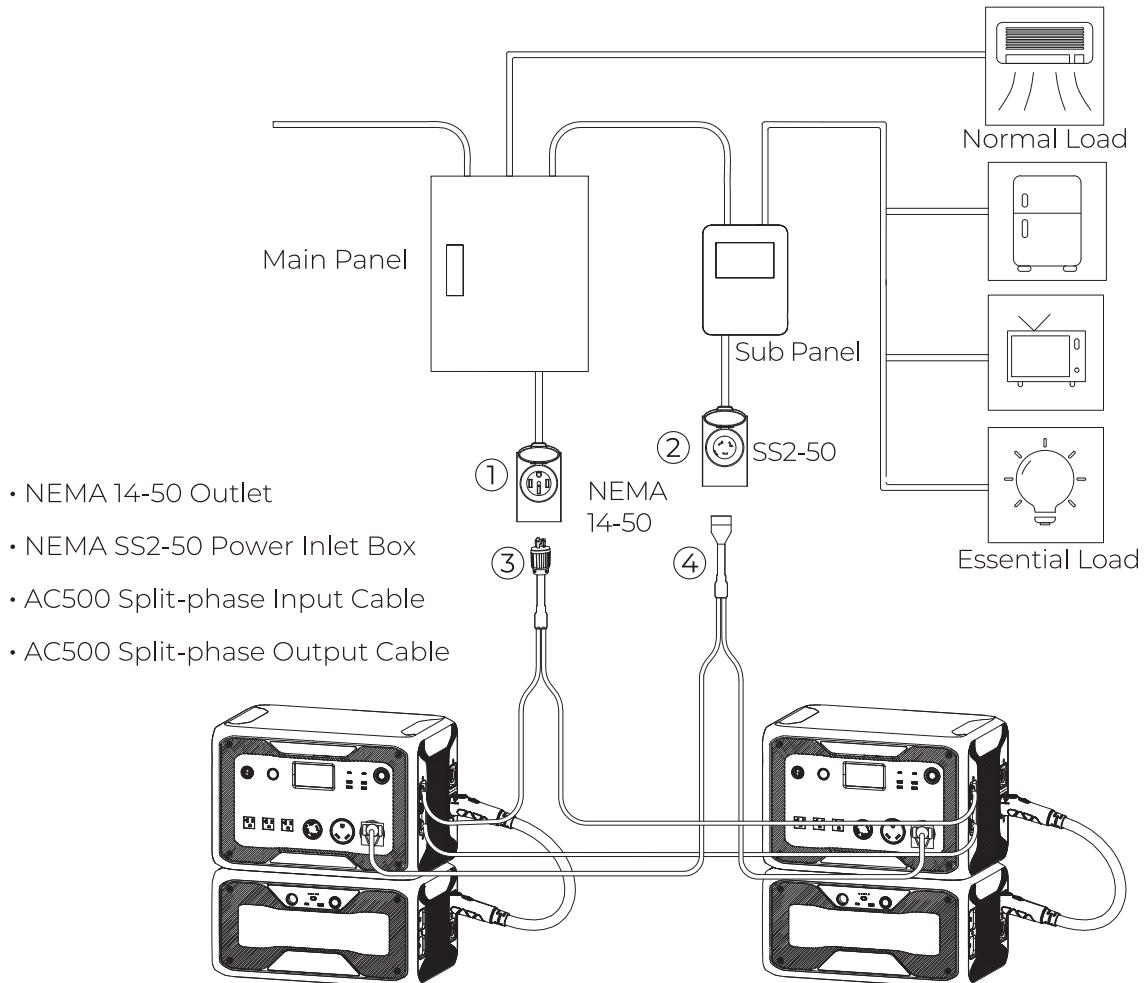
Tap Battery Pack to check out the Battery Management System (BMS) details.



## Split Phase System

Connect two AC500 combos together with the following accessories:

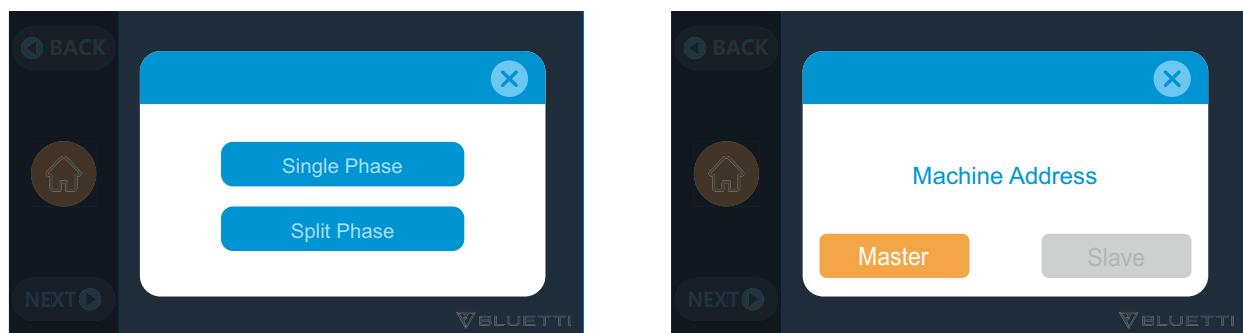
- Transfer switch: Reliance TRK0505BR
- NEMA 14-50 socket
- Communication cable
- AC500 split-phase output cable
- AC500 split-phase AC charging cable



Go to 'Advanced Setting', tap 'Next' and set both AC500 to 'split phase'.

Choose one to be the 'Master' unit, the other 'Slave'.

If the connection fails, clear the alarm history and reconnect.



**Note:** The system can be turned on/off ONLY on the 'Master' unit.

# Appendix

## FAQs (Frequently Asked Questions)

**Q: Can I use third-party solar panels to charge this product?**

A: Yes, you can. As long as the specs of solar panels on DC1/DC2 fall in below range:

OCV&Vmp: 12V~150V

Input Power: 1500W Max.

With the same power connector (MC4)

DO NOT mix different types of solar panels.

**Q: Why can't the unit be charged when the solar panels are connected?**

A: Please perform the following steps:

- 1) Touch the 'PV' on LCD screen to check whether the solar panels are connected successfully.
- 2) Check the connection of solar panels and the PV input cable.

If the symptom persists, please contact BLUETTI service team.

**Q: How to choose the right UPS mode for my home?**

A: The standard UPS mode is good for regions with unstable grid power supply;

The Time Control UPS mode saves your electricity bills by setting the charging and discharging time.

The PV Priority UPS mode is better for regions with plenty of sunlight all the year.

The Customized UPS mode allows you to design your own power supply system.

**Q: How long will it take to switch the UPS?**

A: 20ms.

**Q: How to upgrade the firmware?**

A: Connect the unit with BLUETTI App, then you can over-the-air (OTA) upgrade the firmware including ARM, DSP, HMI, and BMS.

## FCC Warning

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
- 2) This device must accept any interference received, including interference that may cause undesired operation.

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 provide reasonable 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:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

### FCC RF Radiation Exposure Statement

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 and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Technical Support

Should you require any further assistance, please do not hesitate to contact BLUETTI service team.

## BLUETTI POWER INC

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Just Power On