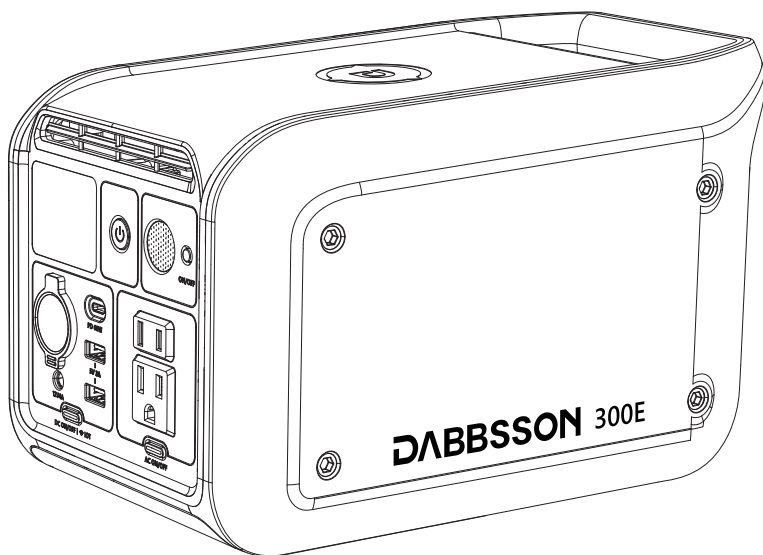


# DABBSSON

## Dabbsson 300E User Manual



# DISCLAIMER



Read all safety tips, warning messages, terms of use, and disclaimers carefully. Refer to the terms of use and disclaimer at **<https://www.dabbsson.com>** and stickers on the product before use. Users take full responsibility for all usage and operations. Familiarize yourself with the related regulations in your area. You are solely responsible for being aware of all relevant regulations and using Dabbsson products in a way that is compliant.

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# 1. Specifications



## General Info

|               |                                                          |
|---------------|----------------------------------------------------------|
| Net Weight    | Approximately 4.3kg                                      |
| Dimensions    | 296x183x179mm                                            |
| Capacity      | 298Wh (19.9V--- 15Ah)                                    |
| Wi-Fi         | Supports 2.4G: 2412-2472MHz with a maximum of 14.9 dBm   |
| BT            | Supports BDR+EDR: 2402-2480MHz with a maximum of 2.5 dBm |
| Certification | ETL FCC PSE WEEE ROHS TELEC                              |

## Output Ports

|                    |                                         |
|--------------------|-----------------------------------------|
| AC (x2)            | Pure Sine Wave, 300W total, 120V~ 60Hz  |
| USB-A (x2)         | 5V--- 3A, 9V--- 2A, 12V--- 1.5A 18W Max |
| USB-C (x1)         | 5/9/12/15V--- 3A, 20V--- 3A 60W Max     |
| Car Charge         | 12V--- 10A, 120W Max                    |
| DC5521 Output (x1) | 12V--- 4A, 48W Max                      |

\* The car charger shares power with the DC5521 output port, offering a maximum output of 120W.

## Input Ports

|                  |                            |
|------------------|----------------------------|
| AC Charge        | 100W Max                   |
| AC Input Voltage | 120V~ 2.5A Max, 60Hz       |
| Solar/Car Charge | 12-30V--- 6A Max, 120W Max |

## Battery Info

|                |                              |
|----------------|------------------------------|
| Cell Chemistry | LiFePO4                      |
| Cycle Life     | 4000 Cycles to 80%+Capacity* |

\*Under 25°C working environment.

**Protection**

|                             |                          |
|-----------------------------|--------------------------|
| Over Voltage Protection     | Overload Protection      |
| Over Temperature Protection | Short Circuit Protection |
| Low Temperature Protection  | Low Voltage Protection   |
| Overcurrent Protection      | Over Charge Protection   |

**Environmental Operating Temperature**

|                               |                         |
|-------------------------------|-------------------------|
| Optimal Operating Temperature | 20°C~30°C(68°F ~86°F)   |
| Discharge Temperature         | -10°C~45°C(14°F ~113°F) |
| Charging Temperature          | 0°C~45°C(32°F ~113°F)   |
| Storage Temperature           | -10°C~45°C(14°F ~113°F) |

\* Whether the product can be charged or discharged depends on the actual temperature of the battery pack.

## 2. Safety Instructions



**2.1 Usage**

1. Do not use the product near a heat source, such as a fire source or a heating furnace.
2. Avoid contact with any liquid. Do not immerse the product in water or get it wet. Do not use the product in rain or humid environments.
3. Do not use the product in an environment with strong static electricity or magnetic fields.
4. Do not disassemble the product in any way or pierce the product with sharp objects.
5. Avoid using wires or other metal objects that may result in a short circuit.
6. Do not use unofficial components or accessories. If you need to replace any components or accessories, visit official Dabbsson channels to check for relevant information.
7. It is highly recommended that third-party accessories are purchased from reliable distributors and that they match your product's specifications. Dabbsson is not liable for abnormality, inconvenience, losses or expenses resulting from defective third-party accessories.

8. When using the product, please strictly follow the operating environment temperature specified in this user manual. If the temperature is too high, it may result in a fire or explosion; if the temperature is too low, the product performance may be severely reduced, or the product may cease to work.
9. Do not forcibly lock the fan during use or place the product in an unventilated or dusty area.
10. Avoid impact, falls, or severe vibrations when using the product. In case of a severe external impact, turn off the power supply immediately and stop using the product. Ensure the product is well fastened during transportation to avoid vibrations and impacts.
11. If you accidentally drop the product into water during use, place it in a safe open area, and stay away from it until it is completely dry. The dried product should not be used again, and should be properly disposed of according to Section 2.2 below. If the product catches fire, we recommend that you use the fire extinguishers in the following order: water or water mist, sand, fire blanket, dry powder, and finally a carbon dioxide fire extinguisher.
12. Use a dry cloth to clean off dirt on the product ports.
13. Rest the product on a flat surface to avoid damage caused by the product falling over. If the product is overturned and severely damaged, turn it off immediately, place the battery in an open area, keep it away from combustible matter and people, and dispose of it in accordance with local laws and regulations.
14. Ensure that the product is kept out of reach of children and pets.
15. The smart extra battery can only be connected to the host, and the smart extra battery cannot be connected to each other.
16. If the product experience short circuit protection multiple times, the BMS will lock the product and you'll need to recharge it through AC to reactivate it.

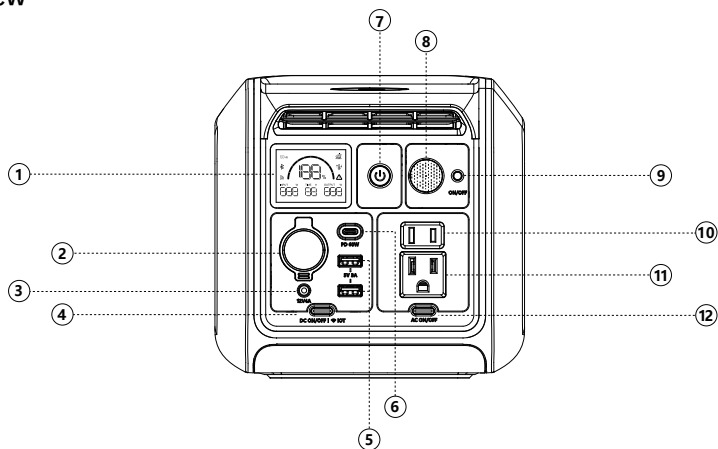
## 2.2 Disposal Guide

1. If conditions permit, make sure that the battery is fully discharged before disposing of it in a designated battery recycling bin. The product contains batteries with potentially dangerous chemicals, so it is strictly prohibited to dispose of it in ordinary trash cans. For more details, please follow the local laws and regulations on battery recycling and disposal.
2. If the battery cannot be fully discharged due to a product failure, do not dispose of the battery directly in the battery recycling box. In such cases, contact a professional battery recycling company for further processing.
3. Please dispose of over-discharged batteries that cannot be recharged.

## 3. Product Details

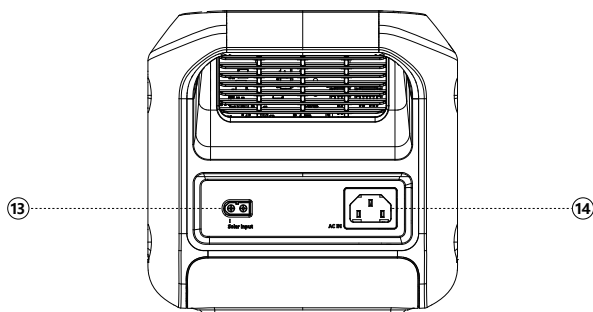


### 3.1 Overview



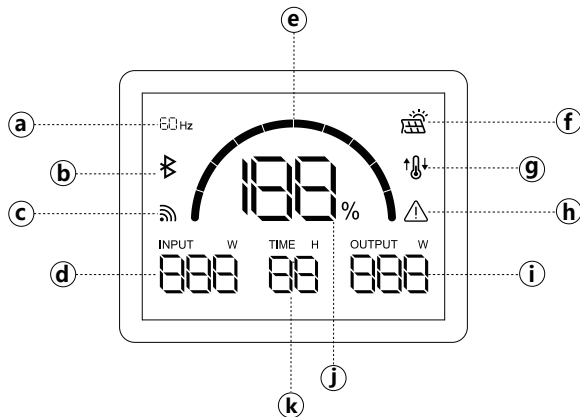
- |                       |                         |                         |
|-----------------------|-------------------------|-------------------------|
| ① LCD Screen          | ② Car Cigarette Lighter | ③ DC5521 Output Port    |
| ④ DC Power Button/IOT | ⑤ USB-A Output Port     | ⑥ USB-C 60W Output Port |
| ⑦ Main Power Button   | ⑧ LED                   | ⑨ LIGHT ON/OFF          |
| ⑩ AC Output Port      | ⑪ AC Output Port *      | ⑫ AC Power Button       |

\* "AC Output Port" Output port styles vary by country or region.



- |                                 |                          |
|---------------------------------|--------------------------|
| ⑬ Solar/Car Charging Input Port | ⑭ AC Charging Input Port |
|---------------------------------|--------------------------|

### 3.2 LCD Screen



- |                                |                               |                         |
|--------------------------------|-------------------------------|-------------------------|
| Ⓐ AC Output Frequency          | Ⓑ BT                          | Ⓒ Wi-Fi Status          |
| Ⓓ Input Power                  | Ⓔ Battery Level Indicator     | Ⓕ Solar Panel Indicator |
| Ⓖ High/Low Temperature Warning | Ⓗ Warning                     | Ⓖ Output Power          |
| Ⓙ Remaining Battery Percentage | Ⓚ Discharge Charge/Error Code |                         |

#### Battery Level Indicator

When charging, the icon rotates clockwise. When the battery level of this product at 0%, AC and DC output will turn off and this icon will start flashing; When the battery level is 100%, this icon is the full grid state.

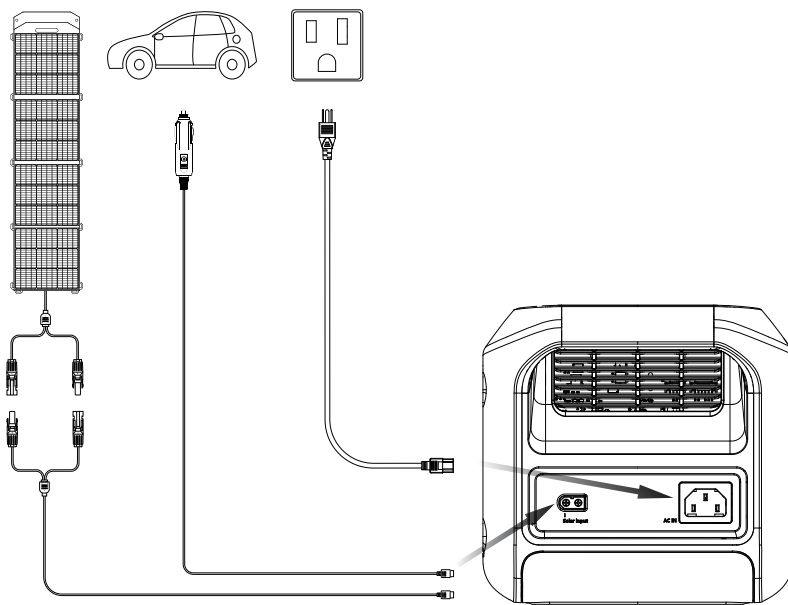
#### Wi-Fi Status

Press and hold the DC Power Button/IOT button for 3 seconds, and the Wi-Fi icon will flash, indicating that the product is ready for pairing. If the product pairing is completed, the Wi-Fi icon will stay on.

## 4. General Product Usage

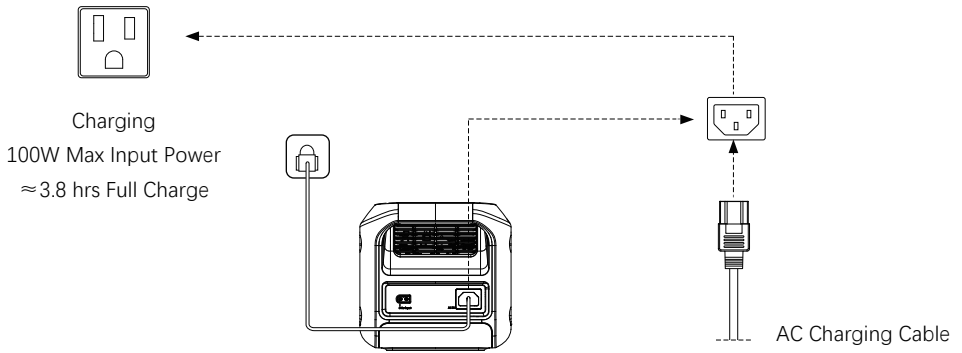


### 4.1 Charging 300E



### AC Charging

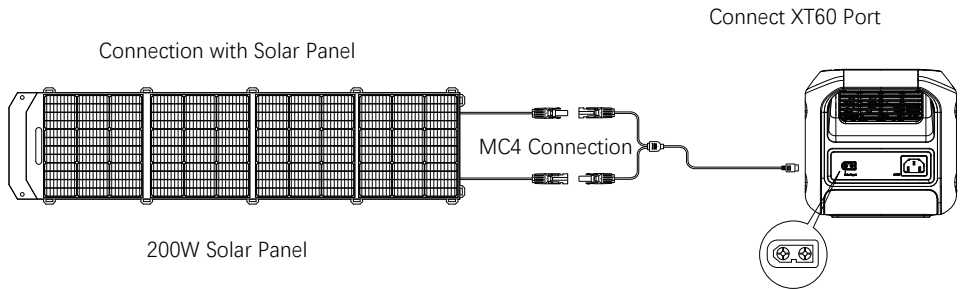
Dabbsson fast charge technology is specifically for AC charging, offering 100W of max input power. The default max input power for the AC charging speed is 100W.



Please use the AC Charging Cable included in the package for fast charging. Do not use other cables to charge. Dabbsson takes no responsibilities for any consequences caused by failures to follow instructions, including but not limited to charging with other AC charging cables.

## Solar Charging

Users can connect solar panels in series as shown in the figure to recharge the product. The product supports 12-30V DC input, 6A max current, and 120W max charging power.

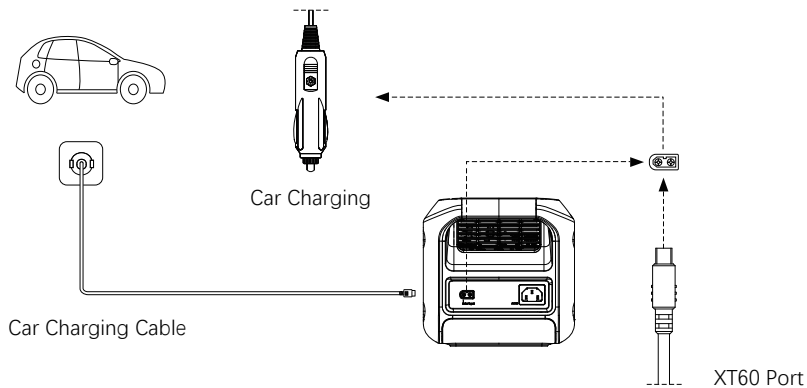


When charging the product with a Dabbsson solar panel, follow the instructions of this user manual to avoid damage to the product.

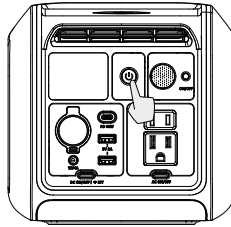
## Car Charging

Users can recharge the product through the Car Outlet. It supports 12V/24V car chargers and an 6A default charging current.

Only charge using the car charger after you've started the car.This prevents the car from failing to start due to insufficient battery power. In addition, please make sure that the cigarette lighter of the Car Outlet and the Car Charger Input Cable are in good condition. Dabbsson takes no responsibilities for any losses or damage caused by failures to follow instructions.



## 4.2 Control the product



Short Press to Turn On/Long Press to Turn Off

### Power On/ Off, LCD Screen On

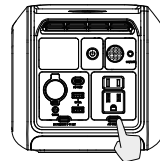
Short press the Main Power Button to start the product, the LCD screen lights up and displays an icon. It will automatically turn off after the product is idle for 5 Minutes. When the device senses any load change or operation, the display screen will automatically light up. To turn the display on or off, briefly press the Main Power Button. To turn off the device, long press the Main Power Button.

## 4.3 Charging Your Devices

### AC Output Port

After turning on the main power button, short press the AC power button to use the AC output port. Press the button again will turn it off.

The unit is set to never shut off by default when the AC output is on. You can schedule and change the unit shutoff time and start up time on Dabbsson App.

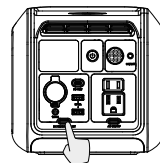


Short Press  
AC Power Button

### 12V DC Output Port

After turning on the main power button, short press the 12V DC power button to use the 12V DC output port. Press the button again will turn it off. When the 12V DC power button is turned on, the product does not automatically turn off.

WiFi configuration: Press and hold for 3 seconds



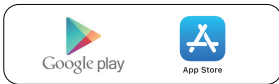
Short Press  
12V DC Power Button

## 5. App Control



### Download Dabbsson APP

- 1 Search for "Dabbsson" in the APP Store (for iOS devices) or Google Play (for Android devices) to download the Dabbsson App.
- 2 You can download the app on the App Store and Google Play by scanning the QR codes below.



Android



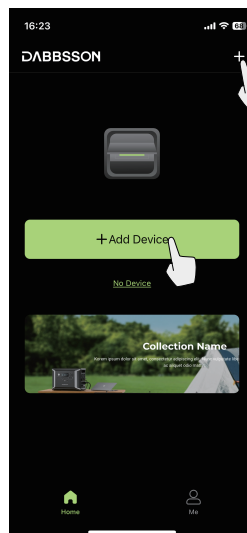
iOS

- 3 Download the Dabbsson APP on the official website: [www.dabbsson.com](http://www.dabbsson.com)

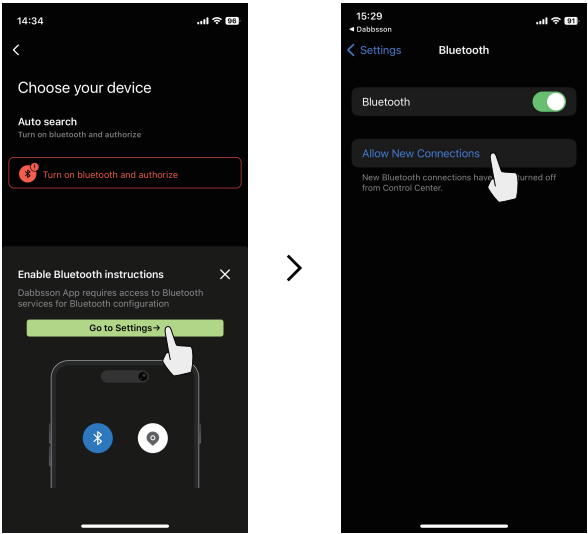
### Connecting the APP to the product

#### Method 1: Bluetooth Connection Mode

- 1 Connect the mobile phone to home 2.4G Wi-Fi network, open the DABBSSON APP, select "+Add Device" or the "+" symbol on the upper right corner of the home page.

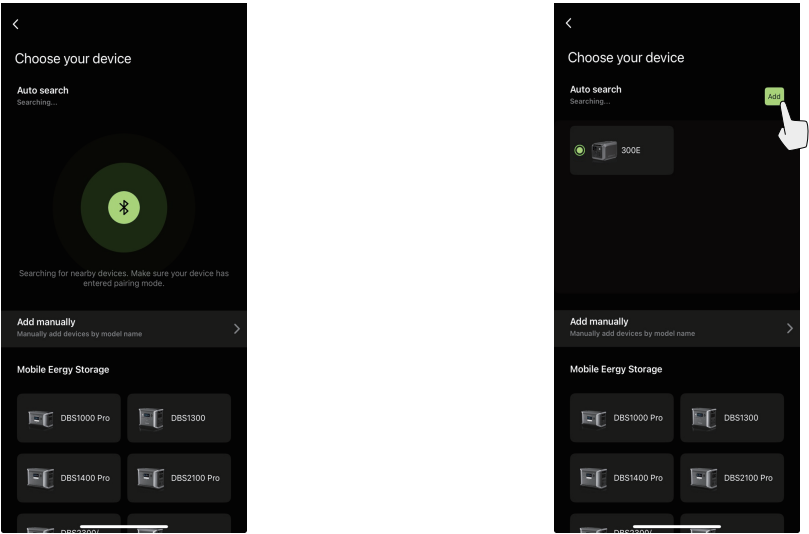


2 Tap to open BT authorization dialog box and select "Go to set up" and then "Allow New Connections".

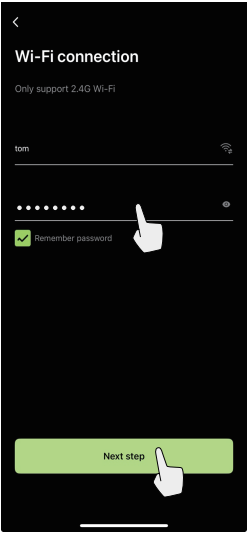


3 Wait for the unit to search nearby device.

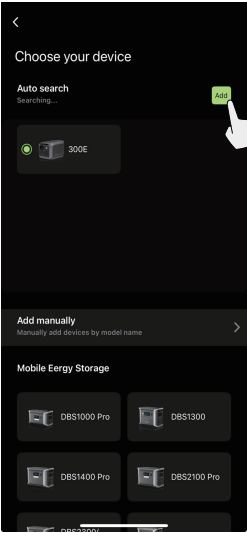
4 After the device is found, select "Add".



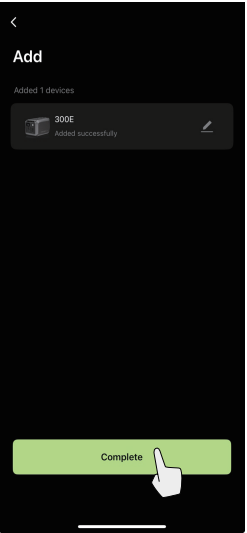
5 Enter home Wi-Fi name and passwords and select "Next step".



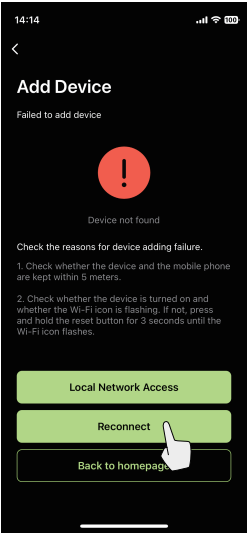
6 Add the power station and wait for it to connect.



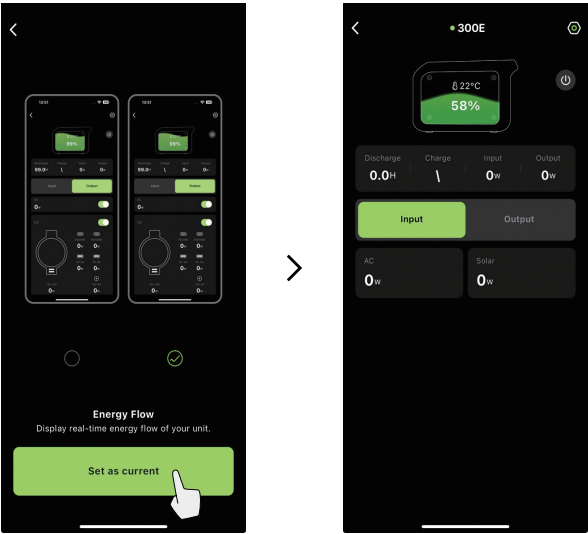
7 Select "Done" after the device is add successfully.



If the adding failed and shows following interface, please select "Reconnect" until the complete interface appears.



- 8 After complete adding the device, select a UI style and select "Set to selected style" and enter the APP control interface.

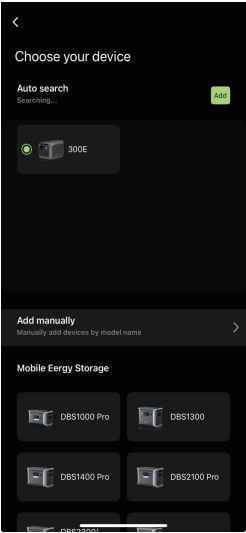


Method 2: Wi-Fi Connection Mode

- 1 Connect the mobile phone to home 2.4G Wi-Fi network, open the DABBSSON APP, select "+Add Device" or the "+" symbol on the upper right corner of the home page.



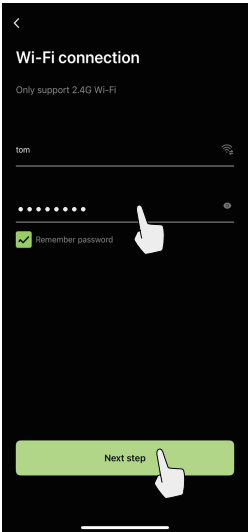
2 Select device model.



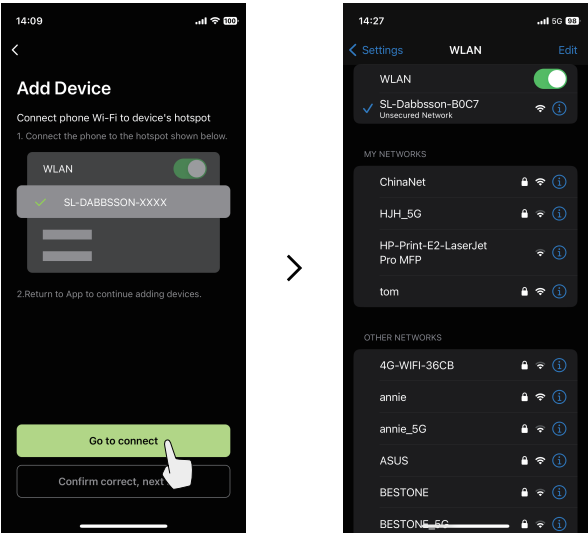
3 Long press the "IOT RESET" button on the device until you hear a "beep" and let go. Then select "Next step".



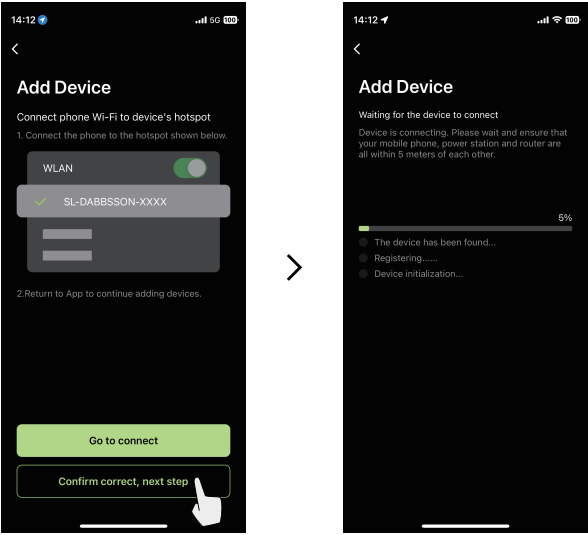
4 Enter home Wi-Fi name and passwords and select "Next step".



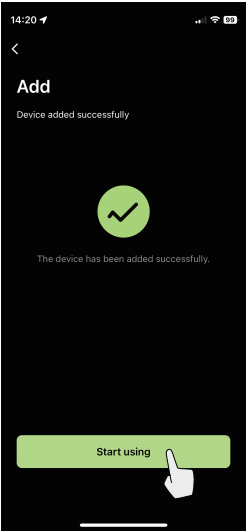
- 5 Tap "Go to connect" and enter the phone's Wi-Fi setting. Select the Power station hotspot and connect to that hotspot.



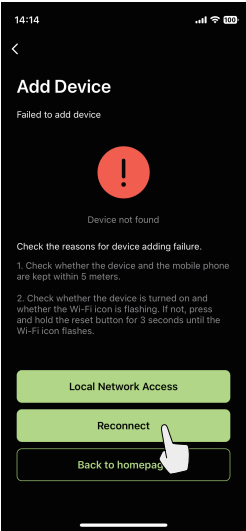
- 6 Go back to the APP interface, confirm the connection and wait for the device to connect.



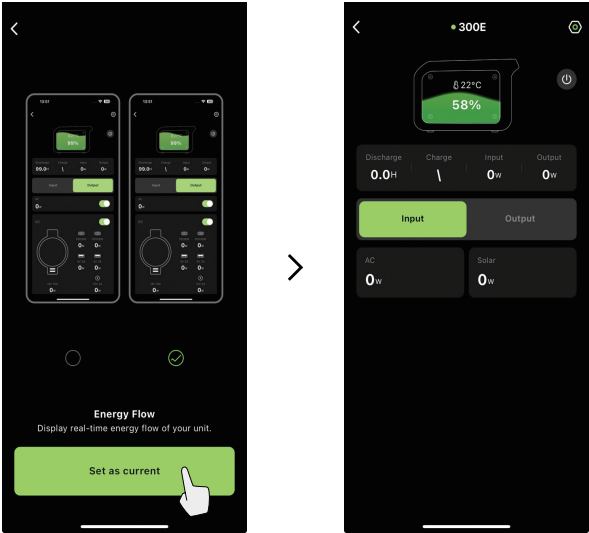
7 After the device is added successfully, select "Start using".



If the adding failed and shows following interface, please select "Reconnect" until the complete interface appears.

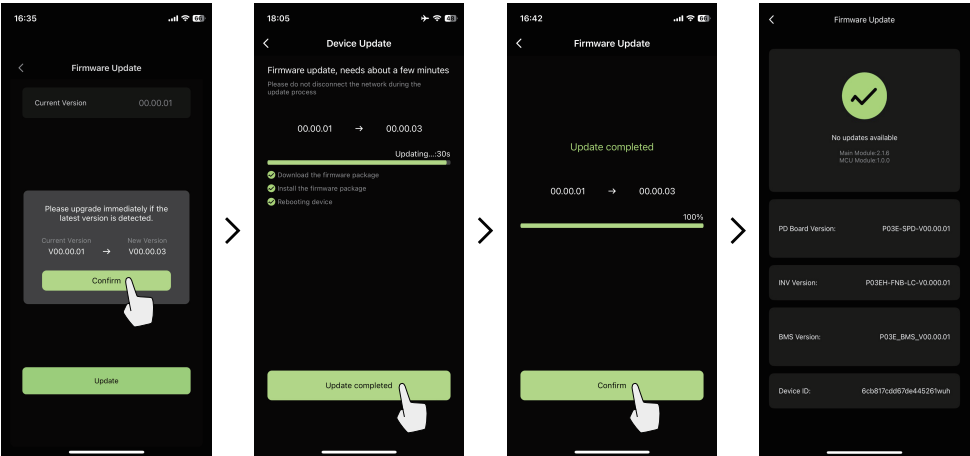
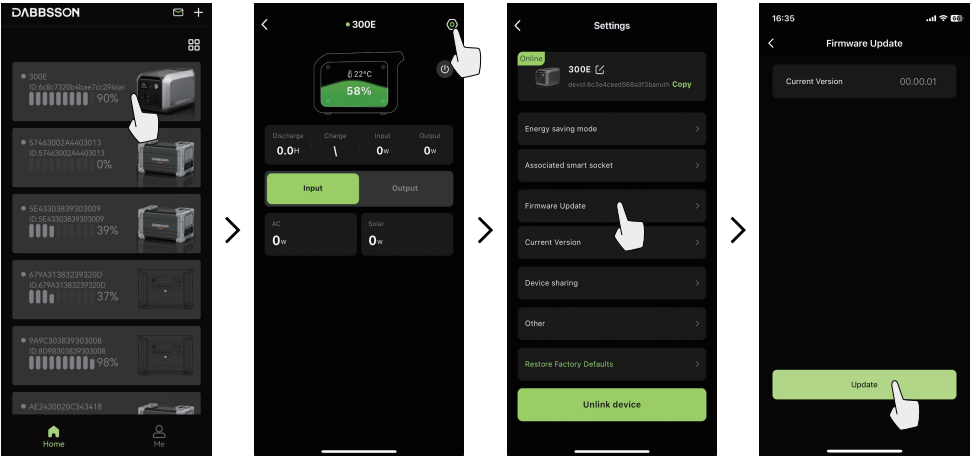


8 After complete adding the device, select a UI style and select "Set to selected style" and enter the APP control interface. After successfully connecting and adding the power station through Wi-Fi for the first time, the APP can still operate the power station through BT offline after leaving the Wi-Fi network environment, but it must be within 10 meters.

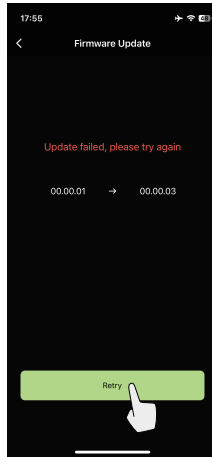


# Power station firmware update

- 1 Tap the device you want to upgrade, enter the device interface, tap the icon in the upper right corner to enter the setting page, find and click the firmware update option, enter the device update page, click "Update" at the bottom of the page, click "Confirm" on the pop-up window, wait for the firmware update, After success, click Confirm to complete the update.



- 2 If the power station's firmware update failed, please try again.



## Privacy Policy

By using Dabbsson Products, Applications and Services, you consent to the Dabbsson Term of Use and Privacy Policy, which you can access via the "support" section on the Dabbsson App or on the official Dabbsson website at <https://www.dabbsson.com>



## 6. FAQs



### 1. What type of batteries does the product use?

This product uses high-quality LiFePO4 battery.

### 2. What devices can use the product's AC output port power?

With 300W rated power, the product's AC output port can power most household appliances. Before using we recommend you check the power of the appliances first and ensure the power sum of all loaded appliances is lower than the rated power.

### 3. How long does it take for the product to charge my devices?

The charging time is shown on the product's LCD Screen, which can be used to estimate the charging time of most appliances with stable power usage.

### 4. How can I tell if the product is charging?

The remaining charging time will be shown on the LCD Screen. The charging indicator will display remaining battery percentage, while current input power is shown to the right of the charging indicator.

### 5. How do I clean the product?

Please gently wipe it with a dry, soft, clean cloth or paper towel.

### 6. How should I store the product?

Before storing, turn off the product first, and then store it in a dry, ventilated area at room temperature. Do not place it near water sources. For long-term storage, discharge the battery to 30% and recharge it to 100% every three months to extend its battery life.

### 7. Can I bring the product on a plane?

No

### 8. What is the minimum wattage of solar input you recommend?

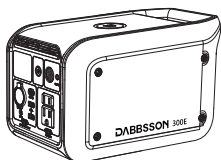
Due to the large capacity and high output power of this product, it is recommended that the solar input power should be at least 5W.

## 7. Troubleshooting



| Indicator                                                                                                                                                                                                                                                              | Problem                               | Solution                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|  (Flashing)                                                                                                                                                                           | USB-A Overload Protection             | Resume normal operation by removing the electrical device connected to the USB-A port.                                                  |
|  RECHARGING TIME                                                                                                                                                                      | High Temperature Charge Protection    | Charging will automatically resume after the battery cools down.                                                                        |
|                                                                                                                                                                                       | High Temperature Discharge Protection | Power supply will automatically resume after the battery cools down.                                                                    |
|  RECHARGING TIME                                                                                                                                                                      | Low Temperature Charge Protection     | Charging will automatically resume after battery temperature rises above -10°C(14°F).                                                   |
|                                                                                                                                                                                       | Low Temperature Discharge Protection  | Power supply will automatically resume after the battery temperature rises above -20°C(-4°F).                                           |
|   (Flashing)                                                                                         | AC Output Overload Protection         | Normal operation will automatically resume after you remove the overloaded device and restart the product.                              |
|    (Flashing) | AC High Temperature Protection        | Check whether the fan inlet and/or outlet are blocked. If not, normal operation will automatically resume after the product cools down. |
|  (Flashing)                                                                                                                                                                         | DC Output Overload Protection         | The product will automatically resume normal operation after you remove the device connected to the DC outlet.                          |
|   (Flashing)                                                                                     | DC Output High Temperature Protection | The product will automatically resume normal operation after it cools down.                                                             |
|                                                                                                                                                                                                                                                                        | Others                                | Contact Dabbsson Customer Service                                                                                                       |

## 8. What's in the Box



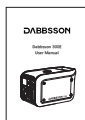
300E



Car Charging Cable



AC Charging Cable



User Manual



Warranty Card

## 9. Storage & Maintenance



1. Ideally, you should use and store the product at an ambient temperature between 20°C-30°C (68°F -86°F), and always keep it away from water, intense heat, and sharp objects. Do not store in temperatures above 45°C (113°F) or below -10°C (14°F) for an extended period.
2. Storing a battery with a low charge for a long period shortens its lifespan. 300E mitigates the damage by putting the battery into hibernation mode. To get the most out of the battery, make sure it is at about 100% before putting 300E into long-term storage. While in storage, it is recommended to discharge the battery to 30% and recharge it back to 100% every three months.

## 10. FCC Statement



**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.

### **Warning:**

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

### **NOTE:**

This equipment has been tested, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### **FCC 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 of 20cm between the radiator & your body.