

FT3600 POWER STATION  
**OWNER'S MANUAL**

## **Disclaimer**

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Read this user manual carefully before using the product to ensure that you completely understand the product and can correctly use it. After reading this user manual, keep it properly for future reference. Improper use of this product may cause serious injury to yourself or others, or cause product damage and property loss. Once you use this product, it is deemed that you understand, approve and accept all the terms and content in this document. Faith-Tech is not liable for any loss caused by the user's failure to use this product in compliance with this user manual.

In compliance with laws and regulations, Faith-Tech reserves the right to final interpretation of this document and all documents related to this product. This document is subject to changes (updates, revisions, or termination) without prior notice. Please visit Faith-Tech official website to obtain the latest product information.

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# 1. Product Overview

## 1.1 Product Design

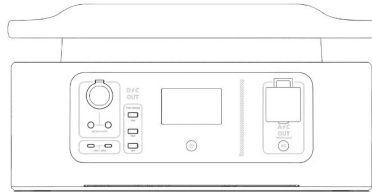




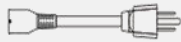
## 1.3 What Is In the Box

### FT3600-494

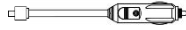
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FT3600 Inverter ×1



AC Charging Cable × 1, 15A, 1.8m, Charging Via Wall Socket



Car Charging Cable × 1, 10A, 1.5m, Charging Via the Cigarette Lighter Port



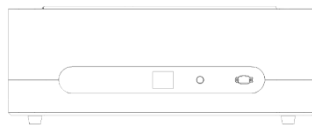
Owner's Manual ×1



Warranty Card (Including Product Qualification Certificate) ×1

### LFP2300

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LFP2300 Battery Pack ×1



Warranty Card (Including Product Qualification Certificate) ×1

## 2. Product Specifications And Parameters

### 2.1 FT3600 Parameters

#### Parameters

Size	520*236*280mm ±0.3mm
Weight	12.45KG ±0.1KG
Certification Standards	ETL, FCC, CP65, DOE, CEC
Wireless Connections	Supports Wi-Fi 802.11 b/n/g, BT5
Distant Control	APP

#### Output Specification

AC Output Voltage	120V
AC Voltage Output Hz	60Hz
AC Output Continuous Power	3600W
AC Output Power Factor	0.99
AC Output Instantaneous Peak Power	7200W Max 200ms
Cigarette lighter and DC5521 Output Power	DC 12V; Cigarette Lighter Output 120W; DC5521 120W *2 DC 24V Cigarette Lighter Output 120W; DC5521 turn off
Type-C Output Port	100W *2
Wireless charging	15W*1
USB Output	18W *3
AC Output Power	AC Port 30A 3600W *1 AC Port 20A 2400W *2

#### Input Specifications

AC Voltage Input Range	120V
AC Voltage Input Hz	60Hz
AC Input Power	1750W Max
Solar Panel Input	800W Max, 10 ~ 60V DC
Car DC Input	240W Max, 12V/24V

#### Operating Environment

Temperature	Best ambient temperature: 20 ~ 30°C Ambient Temperature For Charging: 0 ~ 40°C; Ambient Temperature For Discharge: -10 ~ 40°C Storage Temperature: -10 ~ 40°C
Humidity	5%— 95%RH

## 2.2 LFP2300 Parameters

### Parameters

<b>Size</b>	520*236*236mm ±0.3mm
<b>Weight</b>	22.15KG±0.1KG
<b>Battery Capacity</b>	2304Wh
<b>Cell of Battery Material</b>	Lithium Iron Phosphate
<b>Charging Time</b>	Charge 100% in 1.5 Hours
<b>Cycles</b>	≥2500 Times
<b>AC Input Ports</b>	XT60, 1000W Max
<b>Certification Standards</b>	ETL, FCC, CP65, UN38.3, DOE, CEC
<b>BMS</b>	Over-voltage Protection; Over-current Protection; Low Temperature Protection; High Temperature Protection; Over-load Protection; Short Circuit Protection; Over Discharge Protection; Battery Fault Protection
<b>Operation Environment</b>	Best ambient temperature: 20 ~ 30°C Ambient Temperature For Charging: 0 ~ 40°C; Ambient Temperature For Discharge: -10 ~ 40°C Storage Temperature: -10 ~ 40°C Humidity 5%— 95%RH

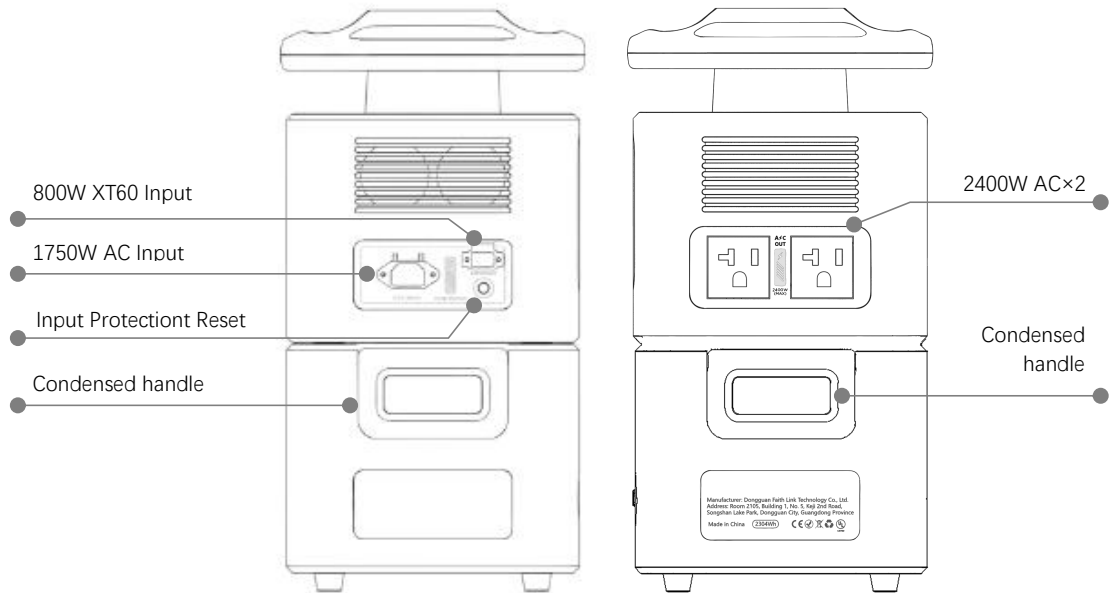
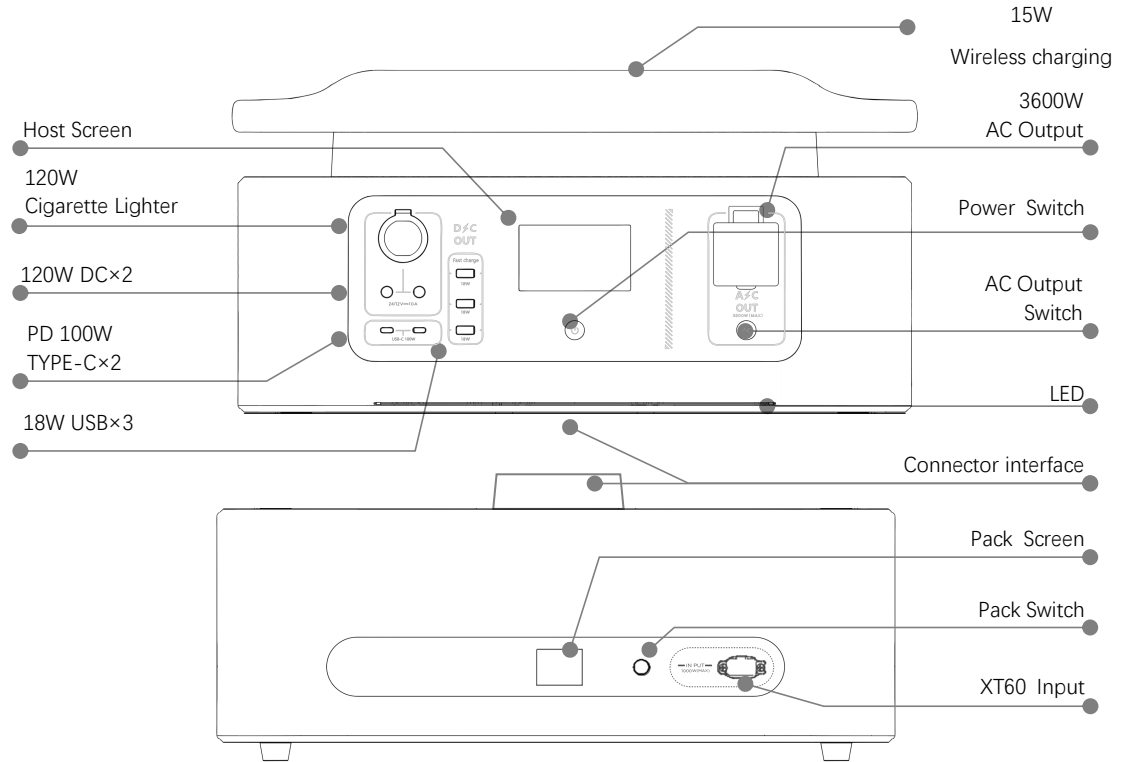
## 2.3 Accessories Parameter

<b>AC Charging Cable</b>	15A, 1.8m
<b>Car Charging Cable</b>	Cigarette Lighter to XT60, 10A, 1.5m

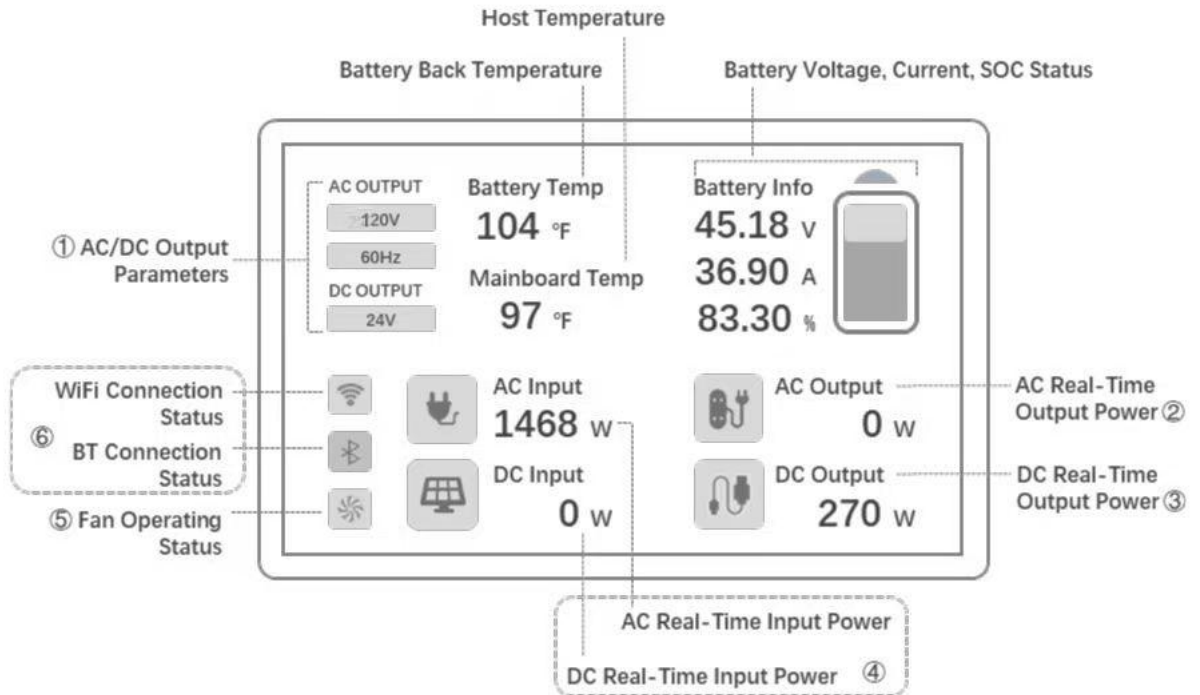


# 3 .User Guidance

## 3.1 Product Overview

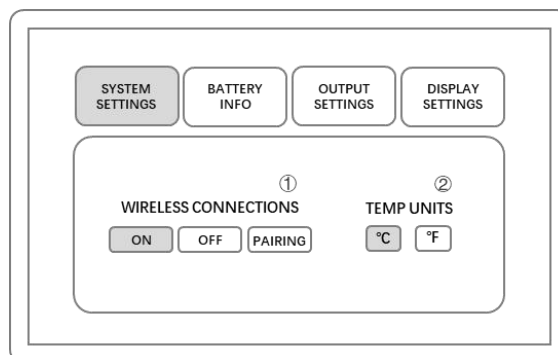


## 3.2 LED Screen



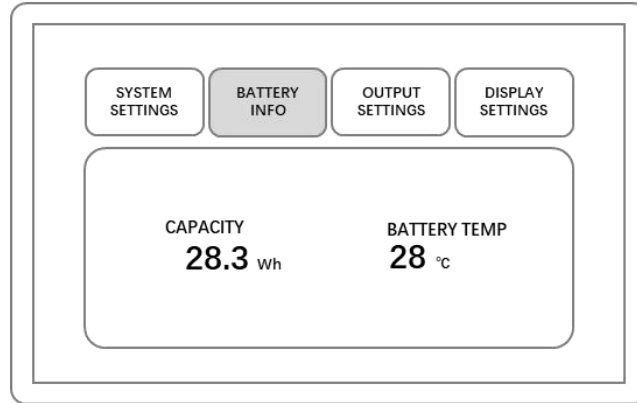
### Main Screen Display

1. AC/DC Output Parameter displays the the output DC voltage, AC voltage and frequency.
2. Presses the AC switch.AC Output icon lights up, and display the real-time AC output power after connecting the AC electrical equipment.
3. DC Output icon lights up, and display the real-time DC output power, after connecting the DC electrical equipment.
4. AC Input icon lights up,and display the AC real-time input power, after connecting AC charging.
5. The fan icon will not lights up until the main host inverter reached set temperature.
6. The Bluetooth and WI-FI icon will not light up, until the network and device connect successfully.



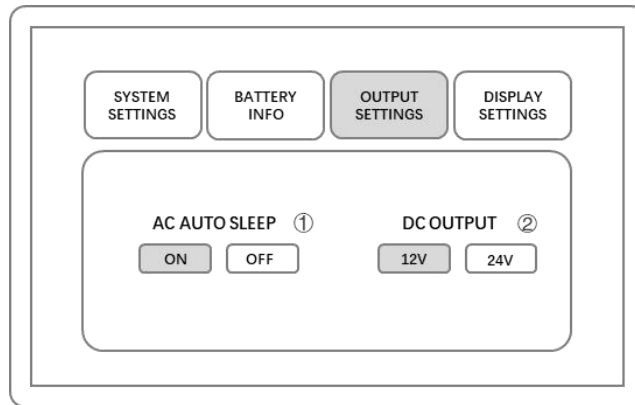
## Secondary Page "System Settings"

1. The Bluetooth and WiFi modules are integrated, and the switch settings are merged and named WIRELESS CONNECTIONS. When connecting to App, please select "PARING" to pair, and the "ON" icon lights up if the pairing is successful. When closing the wireless connection, please select the "OFF" icon, and the "OFF" icon will light up.
2. The system display temperature can be selected from "°C" in Celsius or "°F " in Fahrenheit.



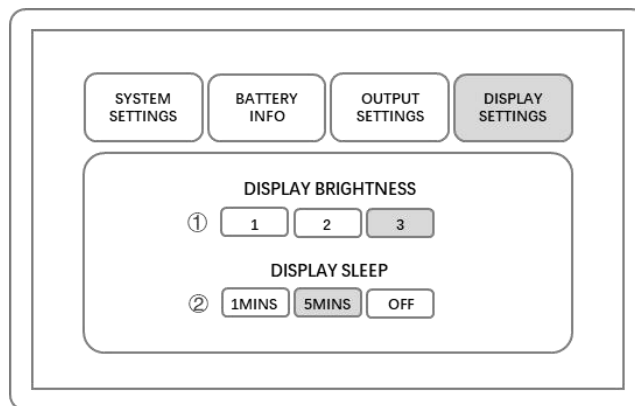
### Secondary Page Interface "Battery Information"

Display the remaining battery capacity and the current temperature inside the battery pack.



### Secondary Page Interface "Output Settings"

1. AC Sleep Setting, If the auto-sleep function is turned on, the AC turns off automatically. Sleep conditions: 1) The AC output load power is less than 50W, and the standby time is more than 5 minutes; 2) DC no output, and the icon is off; 3) Indicator light turns off.
2. The DC output can be selected from "12V" and "24V", and the control cigarette lighter port and DC5521 port. When the 12V voltage is selected, the DC5521 and lighter port out are 12V separately. When the 24V voltage is selected, the DC5521 port turns off.



### Secondary Page Interface "Display Settings"

1. The brightness of the display screen can be set in three levels.
2. The display sleep time can be selected from "1 minute", "5 minutes" and "turn off the display sleep".

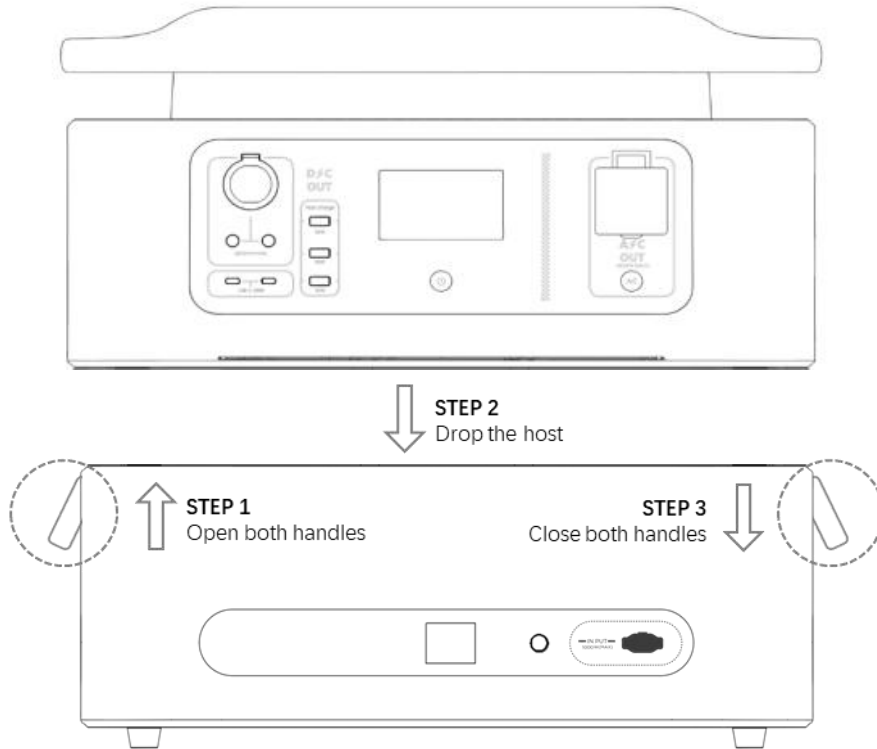
### 3.3 Installation and Usage

#### Installation

Step1: Open the handles on both sides of the battery pack;

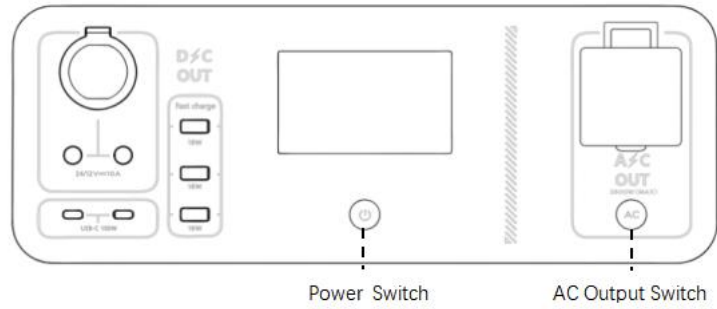
Step2: Place the host on the battery pack;

Step3: Lock the handles on both sides of the battery pack.



#### Instructions

Operation	Power Switch	AC Output Switch
Long Press	<ul style="list-style-type: none"> <li>Main Menu, Power ON/OFF;</li> <li>2/3 Level Menu, Return the Upper Level;</li> <li>Warning Window, Confirm and Clear</li> </ul>	N/A
Press	<ul style="list-style-type: none"> <li>The Screen Activated From Sleeping Mode</li> <li>2/3 Level Menu, Select Option</li> </ul>	AC Output ON/OFF;
Double Press	<ul style="list-style-type: none"> <li>Main Page, Menu;</li> <li>2/3 Page Interface, Option Confirmation;</li> </ul>	N/A

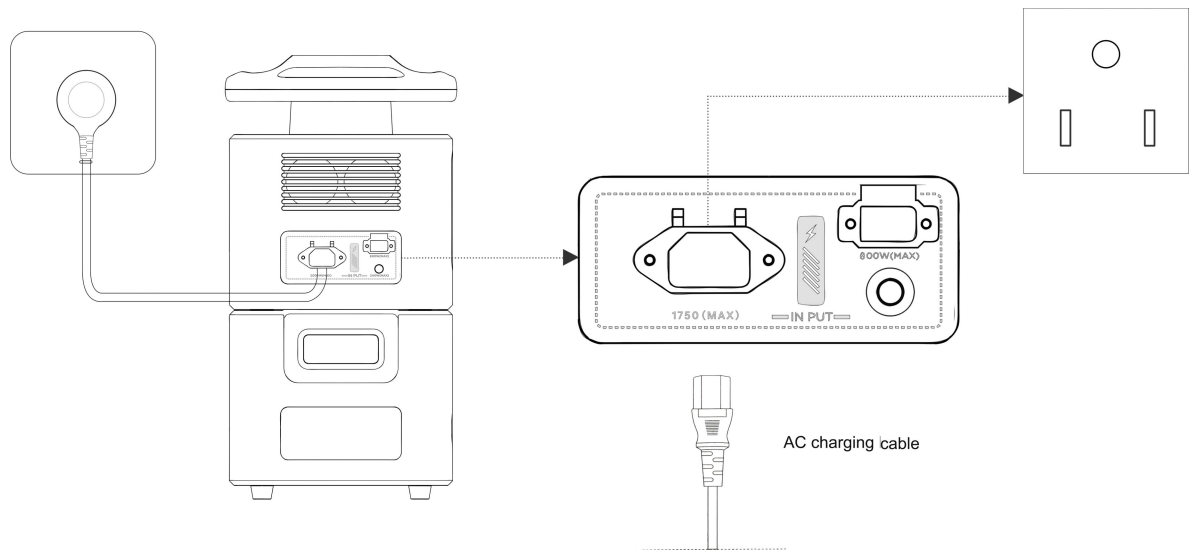


### Indicator And Buzzer

Condition	Indicator (Light Strip)	Buzzer
Charging	Green Breathing Light	N/A
Full Power	>50%Green Light	N/A
Switch	N/A	One Short Beep
Warning	Please Check Section 4 Troubleshooting	

### 3.4 AC Charging

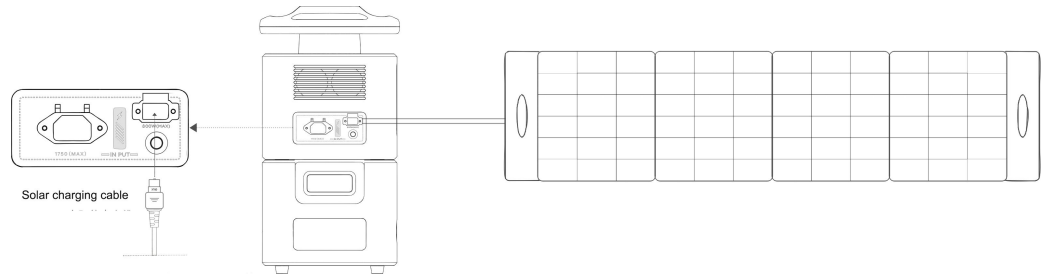
During AC charging the maximum input power can reach 1750W by using a 15A socket, and it can reach 70% of the battery capacity after charging for one hour.



\* Do not use a power cable that is not provided by our company, as it may cause heating of the cable or even a fire.

### 3.5 Solar Charging

Users can charge this product with solar panels sold by Faith-Tech. The maximum power of DC charging through the FT3600 host is 800W (supporting up to four solar panels in series/parallel connection (Please refer to the User's Manual of FT200-SP20V).

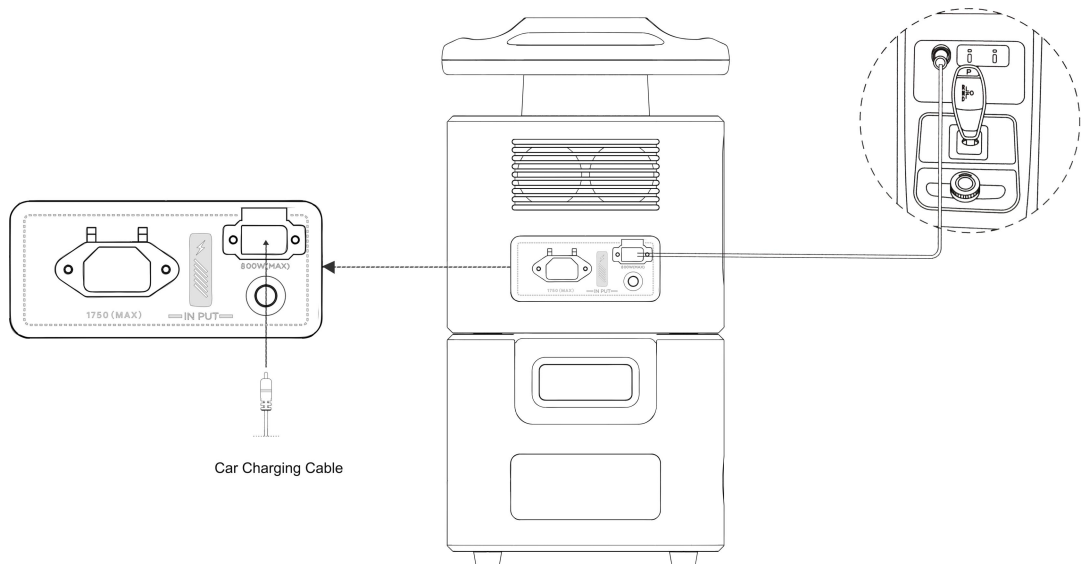


※Users can use series/parallel solar panels to charge this product. They need to use the solar panels sold by our company and the MC4-XT60 conversion cable, and operate according to the instructions provided with the solar panel packaging.

※Using solar panels not provided by our company may not be able to charge normally, or even damage the product.

### 3.6 Car Charging

Users can recharge the product through the Car Outlet. It supports 12V/24V car chargers and an 10A default charging current, Maximum power 240W.



※ Please charge the device while the car is running, to avoid engine idling and failure due to insufficient car battery.

### 3.7 APP Downloading

Control, monitor and customize your FT3600 from afar with the APP from Faith-tech.

Download through scanning the QR Code.






For App download and more practical information about this product, please pay browse our company's official website.





## 4 .Troubleshooting

Alarm image	Buzzer	Light Strip
 <p><b>DC/MPPT Input Voltage Exceeds threshold!</b>            1.Ensure input voltage within the range of 10 ~ 60V.            2.Press and hold the power button to dismiss.</p>	one buzz	Yellow light flashing
 <p><b>DC/MPPT Input Overload!</b>            1.Confirm input power meets the standard.            2.Press and hold the power button to dismiss.</p>	one buzz	Yellow light flashing
 <p><b>DC/MPPT Input Voltage Below Level!</b>            1.Ensure input voltage within the range of 10 ~ 60V.            2.Press and hold the power button to dismiss.</p>	None	Yellow light flashing
 <p><b>USB-A Overload!</b>            1. Remove connected device.            2. Press and hold the power button to dismiss.</p>	Two Buzz	Yellow light flashing
 <p><b>DC or Cigarette Lighter Socket Overload!</b>            1. Remove connected device.            2. Press and hold the power button to dismiss.</p>	Two Buzz	Yellow light flashing
 <p><b>Type-C Overload!</b>            1. Remove connected device.            2. Press and hold the power button to dismiss.</p>	Two Buzz	Yellow light flashing
 <p><b>Main-board Overheating!</b>            1.Please cool down before use it.            2.Press and hold the power button to dismiss.</p>	Three Buzz	Red light flashing
 <p><b>Battery Overheating!</b>            1.Please cool down before use it.            2.Press and hold the power button to dismiss.</p>	Three Buzz	Red light flashing

	 <p><b>Battery Undercooling!</b>  1. Move device to warmer environment.  2. Press and hold the power button to dismiss.</p>	Three Buzz	Red light flashing
	 <p><b>Low Battery Voltage Detected!</b>  1. Charge promptly.  2. Press and hold the power button to dismiss.</p>	Three Buzz	Red light flashing
	 <p><b>Connection Lost!</b>  1. Reinstall the device.  2. Contact after-sales service if problem remains.</p>	Three Buzz	Red light flashing
	 <p><b>AC Output Warning!</b>  1. Disconnect from AC output.  2. Press and hold the power button to dismiss.</p>	Three Buzz	Red light flashing
	 <p><b>Low capacity warning!</b>  1. Stop AC output.  2. Press and hold the power button to dismiss.  3. Charge promptly.</p>	Two Buzz	Yellow light flashing

## 5 .FAQ

1. What kind of equipment can be carried by the AC outlet, and how many devices can be carried?  
The rated AC output power of this product is 3600W. It is recommended to confirm the power of the electrical equipment before use to ensure that the total power of all electrical equipment is lower than the rated power of this product.
2. How to ensure if the product is charging?  
When charging, the AC input icon on the screen lights up and displays the power value, meanwhile, the strip light on the host is in the green breathing light state.
3. Can this product be carried on the plane?  
No.
4. Can the LFP2300 battery pack be used alone?  
The battery pack must be connected to the FT3600 Power Stationr host for discharge, but the battery pack can be charged by AC Adaptors.
5. What is the reason for the RS3600 to automatically stop the AC output when the battery capacity drops below 10%?  
Using the AC interface under low voltage conditions can damage the battery and reduce its lifespan. To prevent this, limit the AC output to no less than 10% of its capacity. The DC interface can still be used without any issues.

## 6 .Safety Instruction and Maintenance

### 6.1 Safety Instruction

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/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. To reduce the risk of injury, close supervision is necessary when the product is used near children.
7. Do not put fingers or hands into the product.
8. To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
9. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
10. Do not use unofficial components or accessories. If you need to replace any components or accessories, please visit official Faith-Tech channels to check relevant information.
11. 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.
12. Do not stack any heavy objects on the product.
13. Do not lock the fan forcibly during use or store this product in an airless or dusty space
14. Please 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.
15. If you accidentally drop the product into water during use, please 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 6.2 "Disposal Guide".
16. If the product catches fire, we recommend that you use the fire extinguishers in the following order: water or water mist, sand, dry powder, and finally a carbon dioxide fire extinguisher. After the open flame is extinguished, please continue to observe the product status. If there is still thick smoke, please continue to use water to cool down to prevent re-ignition.
17. Use a dry cloth to clean off dirt on the product ports.
18. Rest the product on a flat surface to avoid damages 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

### 6.2 Disposal Guide

1. 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 conditions permit, make sure that the battery is fully discharged before disposing it in a designated battery recycling bin.

3. If the battery cannot be fully discharged due to a product failure, please do not dispose of the battery directly in the battery recycling box. In such case, you should contact a professional battery recycling company for further processing.

### 6.3 Maintenance And Storage

1. Please use or store the product in an environment temperature between -10°C ~ 40°C, while the best store temperature is between 20°C ~ 30°C.
2. For safety, please do not store the product in an environment temperature higher than 45°C or lower than -20°C for a long time.
3. If the product has not been used for a long time, it is recommended to charge and discharge the product every three months, first discharge the product to 30%, and then charge to more than 50%.
4. If the remaining battery is less than 1% after you finish using the product, please recharge it to 80% before storing. If the product is left idle for a long time with severely low battery, irreversible damages may be caused to the battery cell and the product service life will be shortened.

### 6.4 FCC Caution

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, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any 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 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:

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

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance 20cm between the radiator and your body: Use only the supplied antenna.