FOSSiBOT

FOSSiBOT F3600 Pro Portable Power Station

FOSSiBOT F3600 Pro Portable Power Station User Manual

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FOSSiBOT F3600 Pro Portable Power Station

Specifications

- Product Name: DC Switch
- DC Output Port Activation: Short press the DC button
- Maximum Power Output: 11520Wh
- Capacity: 3840Wh (3 x 3840Wh)

Product Usage Instructions

Activating the DC Output Port
To activate the DC output port on the panel, follow these steps:

1. Locate the DC button on the panel.
2. Short press the DC button to activate the DC output port.

Frequently Asked Questions (FAQ)

- **Q: How do I know if the DC output port is activated?**
  A: When you short press the DC button, check for a visual indicator or a power output signal to confirm that the DC output port is activated.
- **Q: What is the maximum power output of the DC Switch?**
  A: The DC Switch has a maximum power output of 11520Wh, with a capacity of 3840Wh (3 x 3840Wh).

N091_Host Manual (Chinese)_ VI.01
Material: 128g copper plate paper, single-color doublesided printing;
Binding method: Saddle stitching;
Finished size: 145*210mm;

F3600 Pro
Portable Power Station
User Manual

Dear Customer, thank you very much for purchasing and experiencing the F3600 PRO portable power station product. Before using this product, please read the manual carefully for correct usage.
In accordance with the transportation requirements for battery products, the product is shipped with a battery level of only up to 30%. After unpacking the product, please fully charge it to start the F3600 PRO experience journey.

Use precautions

1. Please avoid storing and using this product in high-temperature, high-humidity, or direct sunlight environments for an extended period to prevent a shortened battery life and other malfunctions. The product should not be placed near a heat source, as it may lead to significant fires or accidents.
2. It is strictly prohibited to disassemble or modify this product. Improper handling may result in product malfunctions or even fires.
3. Be careful not to drop the product from a high place or let it fall to prevent damage.
4. Please store or use this product in a place inaccessible to children to prevent potential harm caused by the product's drops and collisions.
5. Please use the original accessories from our company. The use of non-original accessories may result in product defects, and we will not provide warranty service.
6. Please directly connect the product to electrical outlets on walls or similar locations for charging, avoiding the use of extension cords or cable splitters. Otherwise, there is a risk of damage to the extension cord and cable splitter, even leading to a fire. If using a power strip to charge this product, do not connect other appliances to the same power strip, as there is a high likelihood of tripping the household circuit breaker.
7. When the product is not in use or idle, please set the product's power to the OFF state and unplug the power cord. If it needs to be stored for an extended period, discharge the product from a full charge to an empty state, then recharge it to around 50% battery capacity for storage. To extend the product's lifespan, please follow this operation and storage procedure every three months.
8. If the product reaches the end-of-life conditions, please dispose of or recycle the product according to local laws and regulations.

AC Output Parameters

Power Socket	AC Output	Total AC Output
US	120V 50/60Hz	3600W
JP	100V~110V 50/60Hz	3300W
CH	220V 50Hz	3600W
UK	220V~240V 50Hz/60Hz	3600W
EU	220V~240V 50Hz/60Hz	3600W
KR	220V 60Hz	3600W

Package List

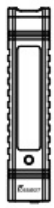
Portable Power Station

AC Power Cord

User Guide

Cigarette Lighter to XT90 Power Cord

MC4 to XT90 Power Cord

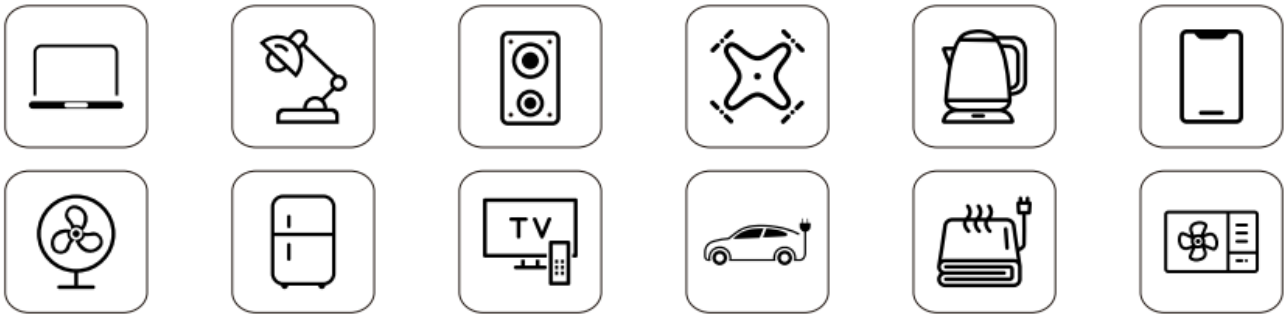


Removable Flashlight

Product Introduction

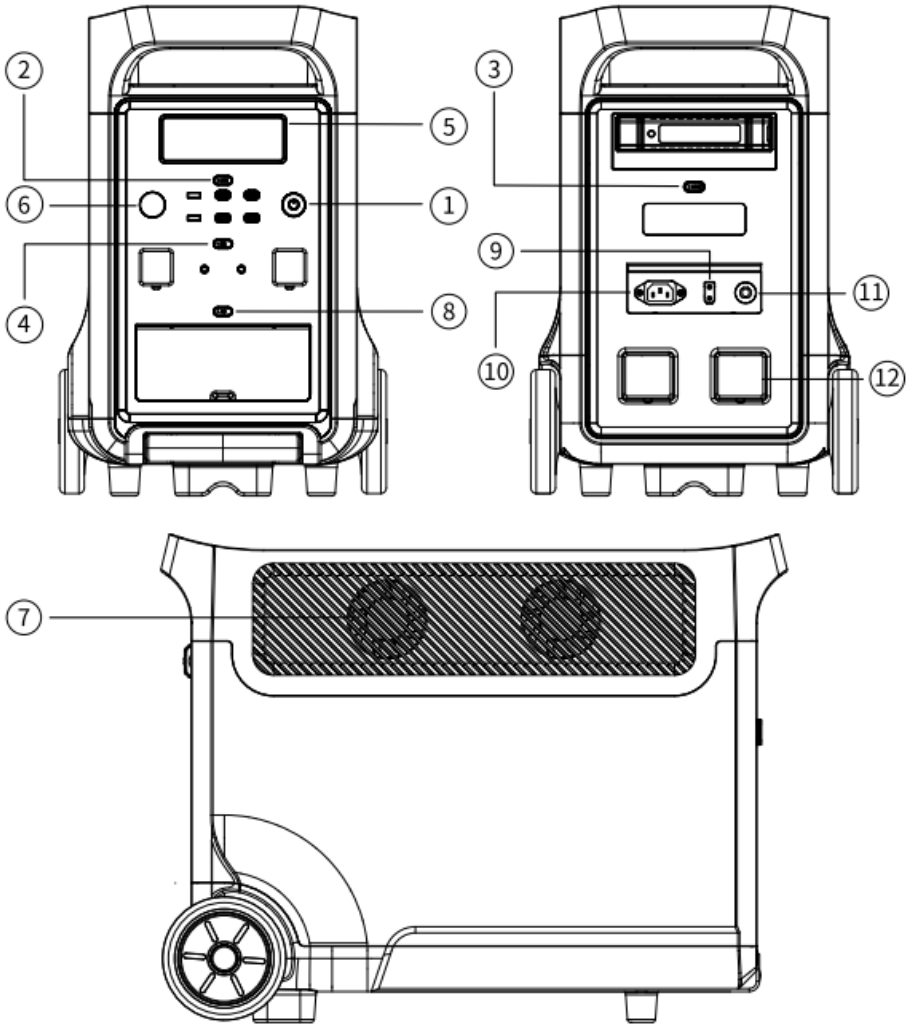
This product is a Portable Power Station with a built-in battery pack that features charging and discharging functions. It includes both AC alternating current output interfaces and direct current output interfaces such as USB output, cigarette lighter output, and DC output. Additionally, it incorporates functions such as display, interface control, protection, and alarms. This product can be charged through various methods such as mains power, solar panels, and Car charging. It can support up to two battery packs simultaneously, with a maximum capacity ofup to 11520Wh.
Below are the main features of this product:

- Utilizing lithium iron phosphate battery cells, the battery capacity reaches up to 3840Wh, and with additional capacity, it can reach a maximum of 11520Wh, meeting the daily energy needs of a single household.
- Pure sine wave output, suitable for daily electronic devices and small household appliances.
- Utilizing bidirectional fast charging technology, the product can be fully charged in approximately 2 hours.
- USB-A, Type-C, PD3.0, DC5521, XT60, cigarette lighter socket, and other versatile output interfaces, catering to various application scenarios.
- Equipped with UPS function, with a switch time ofless than lOms, achieving seamless switching.
- Multiple protection mechanisms for the battery, circuit, and structure ensure the safety of the product.



Button Function Introduction

1. Power on/off Button
2. USB Switch
3. Light Switch (Controls LED Light)
4. DC Switch
5. LCD Screen
6. Input Power Adjustment Knob
7. Heat Dissipation Duct
8. AC Switch (Manual Switching 50/60Hz]
9. XT90 Port
10. AC Input
11. Overload Protection Button
12. Battery Pack Interface



1. **Power on/off Button**

   Usage: Press and hold the power button for 3 seconds to wake up the sy stem, turn on the LCD display, press and hold again for 3 seconds to close.

2. **USB Switch Usage:**

   Short press the USB button to open the USB panel output port, press again to close.

USB-A ×2	TYPE-C X 3	TYPE-C X 1
QC 3.0	PD-20W	PD-100W

3. **Light Switch Usage:**

   Press the Light button briefly to turn on the LED light at full brightness. Press again to enter SOS mode, press sequentially to enter strobe mode, and finally, press to turn off the LED light (In any mode, press and hold the LIGHT button for 1 second to turn off the LED light directly).

4. **DC Switch Usage:**

   Short press the DC button to activate the DC output port on the panel; press again to close.

5. **LCD Screen**

   Displays the product's battery level and provides usage status prompts.

6. **Input Power Adjustment Knob**

   When this product is connected to the mains for charging, you can manually adjust the input power by rotating the knob. Clockwise rotation increases the input power, while counterclockwise rotation decreases it. It is worth noting that charging this product at low power is beneficial for extending the battery life.

7. **Heat Dissipation Channel**

   When the product reaches the temperature threshold set by the system, the cooling fan will automatically operate, accompanied by a certain level of fan noise. During the use of this product, avoid blocking the cooling intake/exhaust vents, and do not place objects within a range of 30CM.

8. **AC Power Switch**

   Press the AC button to activate the AC output function. Due to possible differences in AC output frequency in different regions, follow these steps to switch frequencies: Hold down the AC button for 3 seconds to enter the frequency switching mode. The SO Hz or 60Hz icons will flash on the display. Press the AC button again to select SOHz or 60Hz. When the icons stop flashing, and it displays SOHz or 60Hz, the switch is successful. (Short press the AC button 10 times to enter 220V /230V voltage switching.)

9. **xT90 Port**

   This interface supports solar panel input or car charging input. For details, please refer to the 9th page 'Solar Panel Connection' and the 10th page 'Vehicle Charging' in this document.

10. **AC Input**

    Connect the product to a household socket for charging, achieving a rapid charge of 2200W (220V-240V), and charging from Oto 100% in approximately 2 hours. When charging in this way, please pay attention to the following points.

    - Please directly connect the product to a wall socket for charging, avoiding the use of extension cords or cable joints, as there is a risk of damage or even a fire in the case of extension cord or cable joint breakage.
    - If connecting to a power strip for charging, do not plug in other appliances into the power strip, as there is a high likelihood of tripping the household circuit breaker.

11. **Overload Protection Button**

    Due to lightning or other reasons causing unstable current supply, in the case of high current input at the AC end, to protect this product, the overload protection function (safety circuit breaker) will activate and disconnect the AC input port.

    Please restore the AC input function of this product following the steps below.

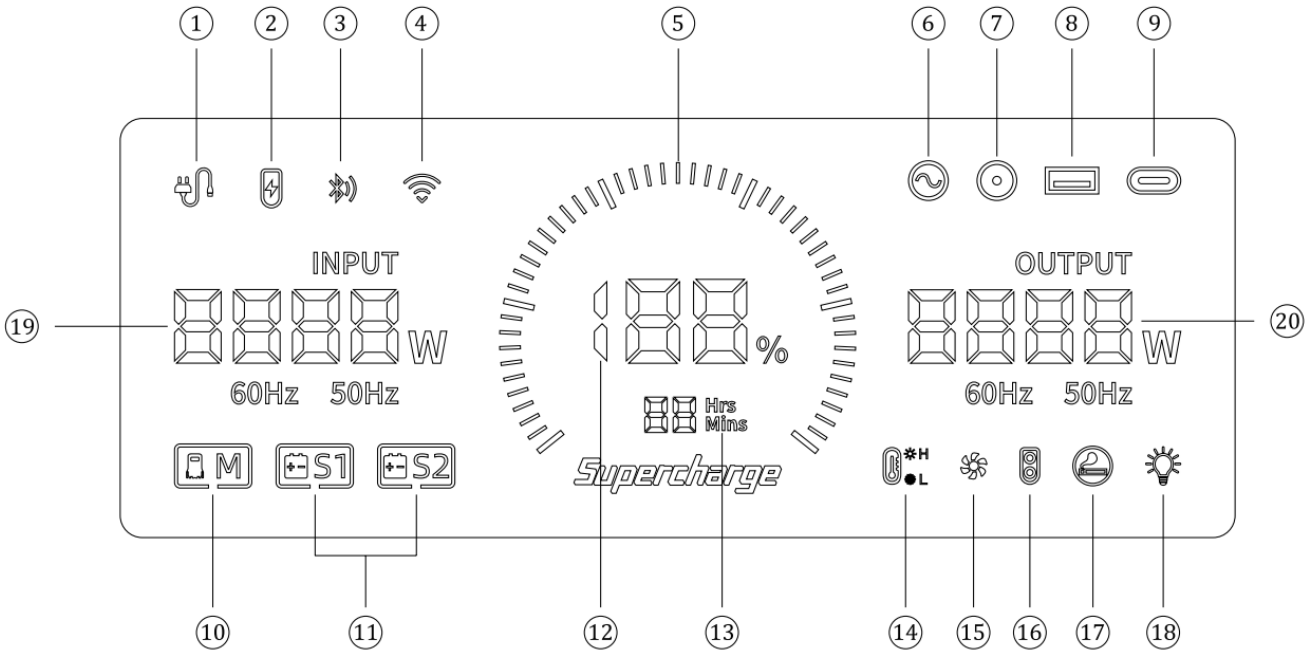
    1. Turn off the power switch and unplug all cables from the ports.
    2. After confirming that each part is normal, turn on the power switch.
    3. Press the overload protection button to restore AC input by connecting the AC cable.

12. **Battery Pack Interface**

    Expansion is achieved by connecting to the main unit through a parallel cable. This interface can achieve a

maximum input and output of 4000W.

Introduction to the Display Screen User Interface



1. AC Charging
2. XT90 Interface
3. Bluetooth
4. WIFI
5. Battery Level In dicator
6. AC Output
7. DC (12V) Output
8. USB Output
9. PD3.0 Output
10. Host Indicator
11. Expansion Battery
12. Battery Percentage
13. Remaining Use/Charge Time
14. High/Low-Temperature Protection
15. Fan Status
16. XT60 (12V) Output
17. Cigarette Lighter (12V) Output
18. LED Light
19. Input Total Power
20. Output Total Power

Screen Display Explanation

Battery Level Display: When this product is in charging mode, the battery progress bar continuously rotates in a clockwise manner, and the battery percentage gradually increases. When the product’s battery level is 0, the battery percentage icon will blink.

Input and Output Status: When the product is operating, the total in put power, total output power, and the cursor for the corresponding wo rking area will be displayed on the screen.
Alarm Prompt: Refer to the troubleshooting table below for details.

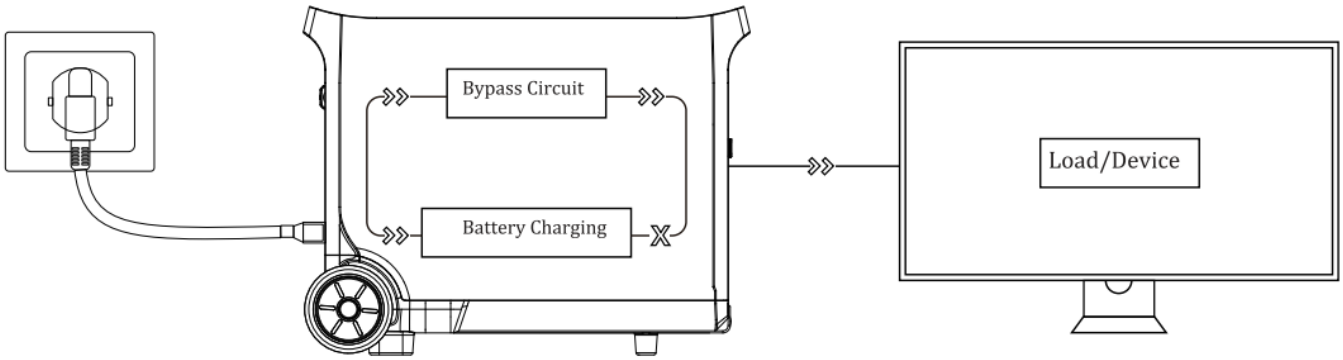
Troubleshooting Table

Symptom	Cause	Solution
Any of the above output icons flash accompanied by a buzzing sound.	Output Overload/Short Circuit	Remove the load, then short press the switch in the corresponding area of the icon to clear the alarm.
Flashing temperature warning icon, beeping.	Product temperature too high or too low.	To remove the alarm, disconnect the product from the charging state, remove a ll loads, turn off the power, and wait for the device to return to a suitable operating temperature.
Flashing mains power icon, unable to charge.	Poor connection of the charging cable.	Verify the connection status of the cables and the power supply.
Parallel connection blinking.	Parallel connection failure.	Charge products with low battery capacity or discharge products with high battery capacity (until the battery level difference is less than 80%), then reconnect.

UPS Mode

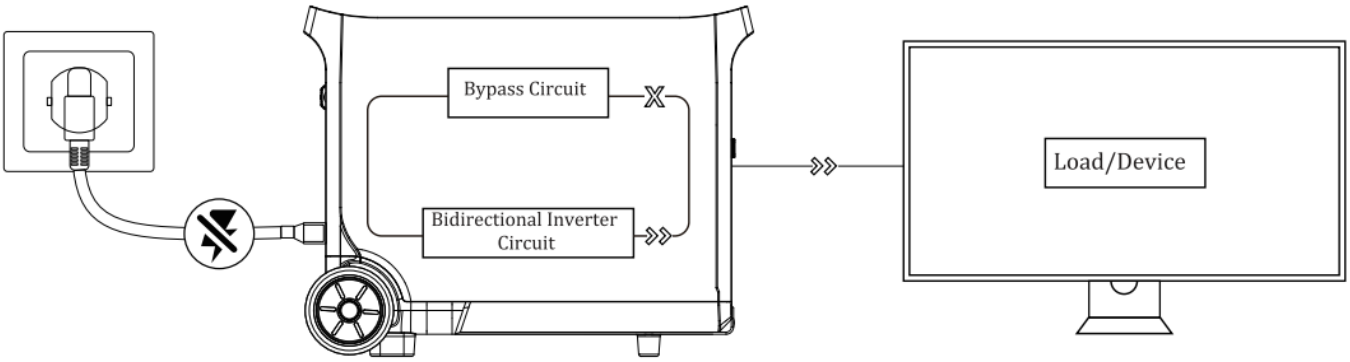
UPS function

This product has the function of a backup uninterruptible power supply (UPS). The usage and operational precautions are as follows:
As shown in Figure 1 below, when connected between the power outlet and the electrical appliance, with the product's power and AC switch both in the ON position, the product enters UPS working mode. The mains power in the socket supplies power to the electrical appliance through the bypass circuit, while also charging the product. In this operating state:
The rated power of the electrical appliance must be less than 2500W (only 220V ~ 240V), otherwise it may trigger overload protection.



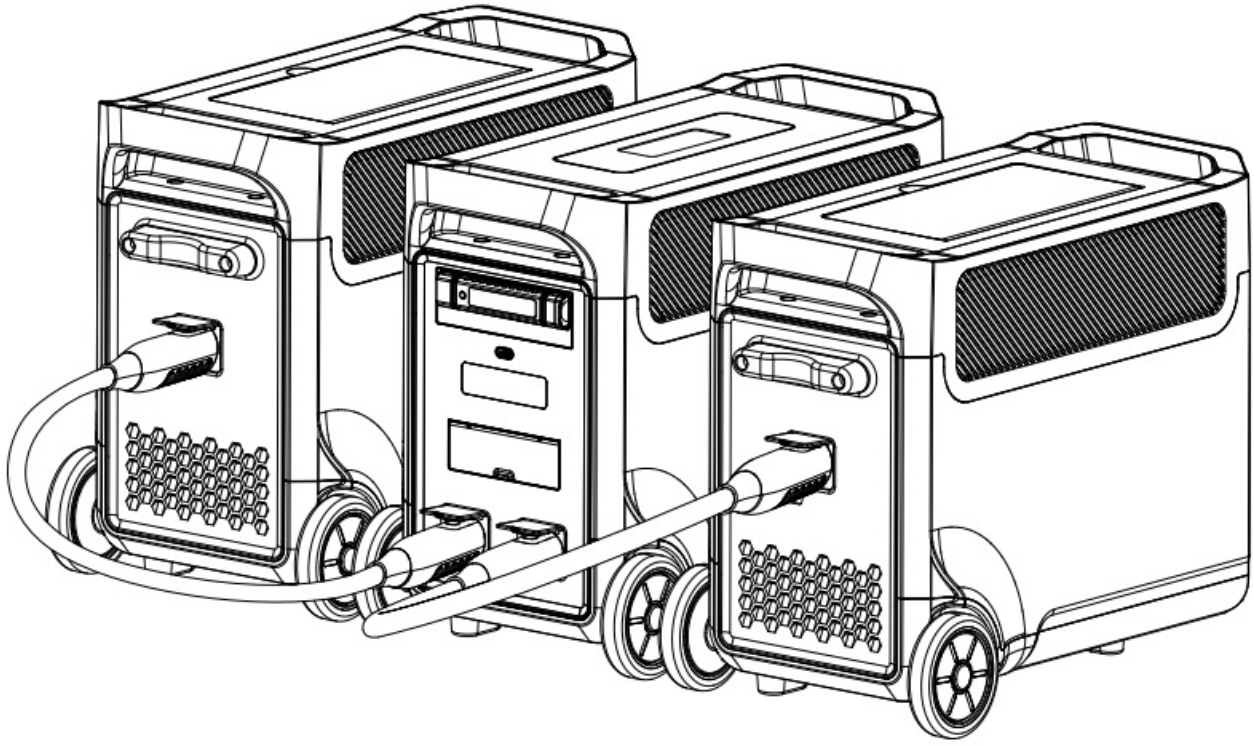
(Figure 1)

As shown in Figure 2 below, when the utility power at the socket end is disconnected, the internal bypass output of the product stops working. The product switches to the bidirectional inverter circuit within 10ms, and this circuit provides power to the electrical appliance. This ensures that the electrical appliance remains powered and operates normally during this process.



(Figure 2)

Battery Pack Connection Instructions



The host can connect up to two battery packs through a parallel connection, with a maximum capacity of up to 11,520Wh. Please connect the product when both the host and the battery packs are powered off. After the connection is complete, the screen will display “SI, S2 connected,” indicating successful parallel connection. Once

paralleled, the system can begin charging or discharging. During charging or discharging after paralleling, the power will be distributed according to the amount of battery capacity.
When charging, the charging power is lower for products with high battery levels, and when discharging, products with high battery levels have higher output power. If there is no external charging, there may be a short-time power exchange between the host and slave machine.

Precautions

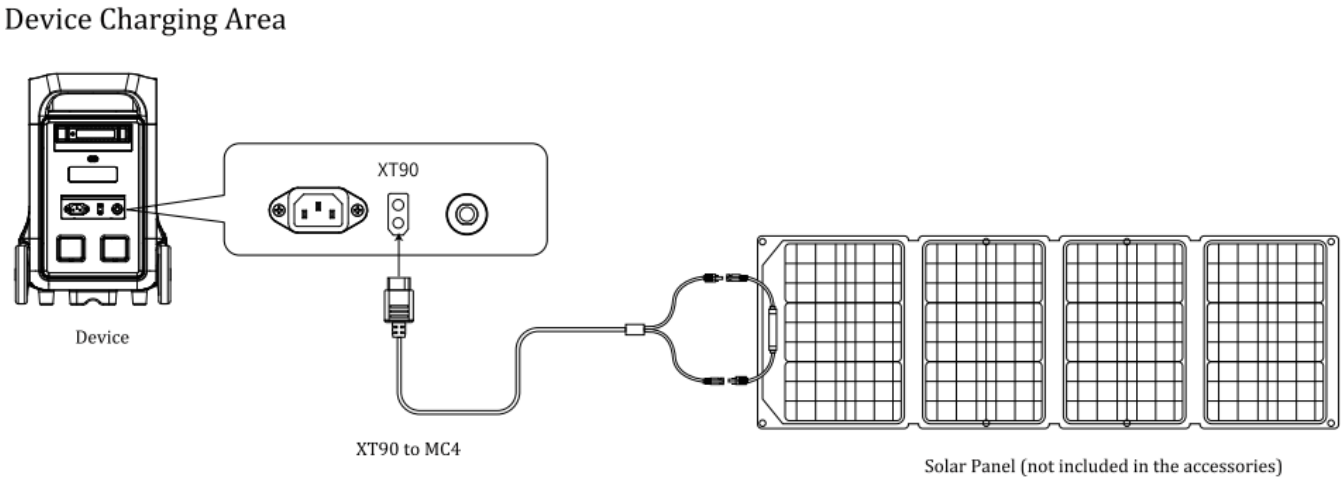
- Do not plug or unplug the parallel cable while the product is operating. Please connect or disconnect the product only when it is in the powered-off state.
- Do not short-circuit the parallel port of the host.

Solar Panel Connection
In conditions of sufficient sunlight, this product can be connected to a solar panel to facilitate charging. The charging power is determined by factors such as sunlight and weather conditions.
In this charging mode, we support solar panel inputs up to 2000W, and the input voltage should not exceed 160V; otherwise, any resulting product anomalies will not be covered by the warranty.

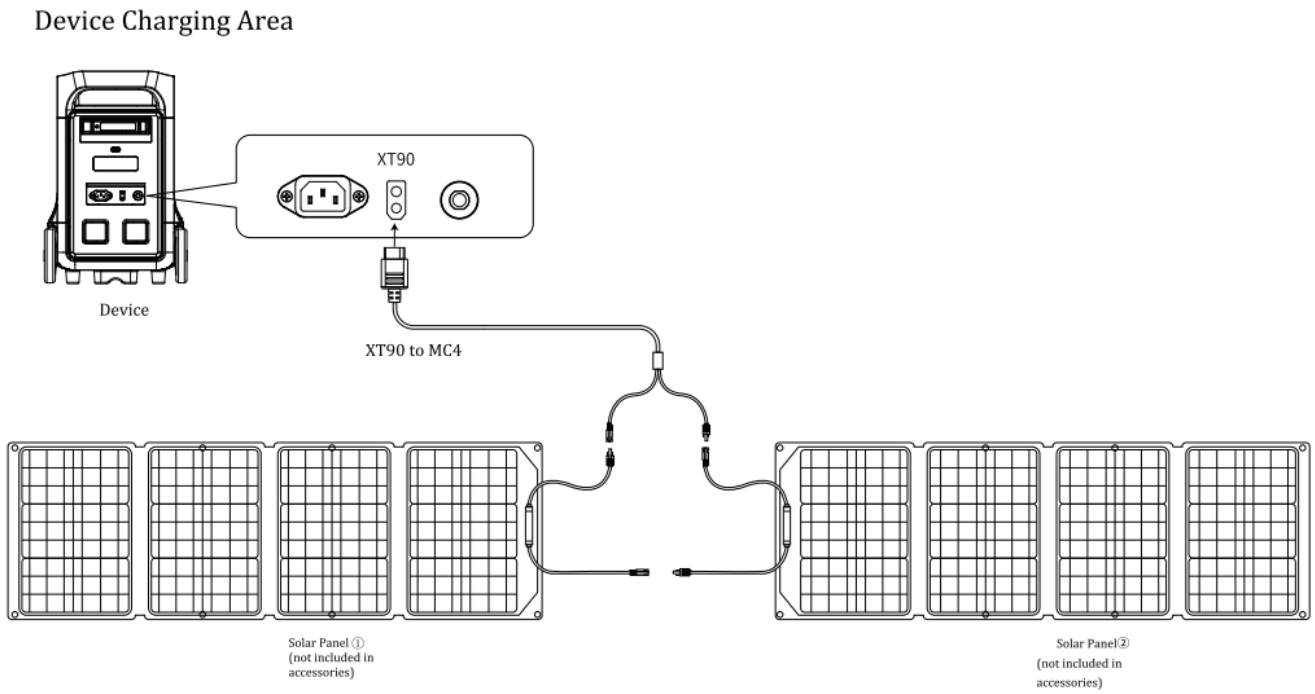
We recommend adopting the following two charging schemes:

Solar Panel Charging

Option One



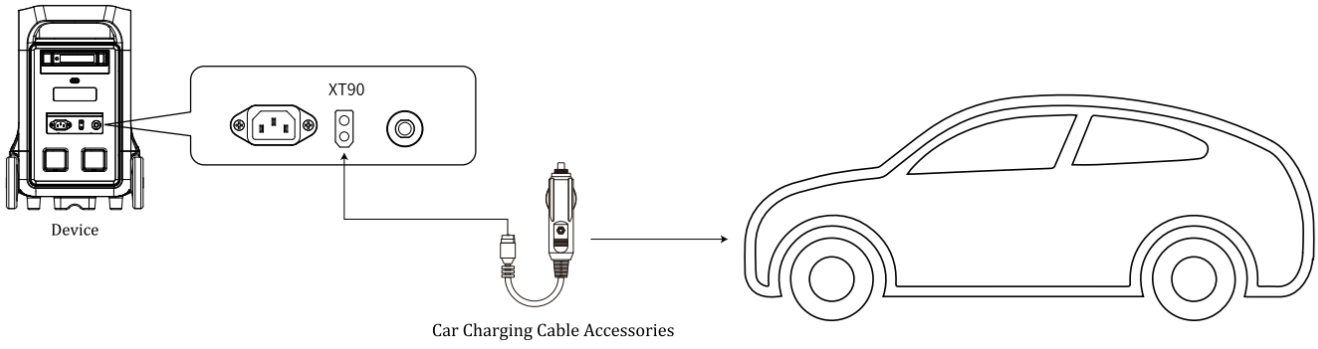
Option Two



Car Charging

When the car is in the starting state, you can charge this product by connecting the car charging port on the car to this product using the vehicle charging cable, as shown in the diagram.
This product supports 12V car charger/24V car charger charging. When using this charging method, please pay attention to the following two points.

- Please perform this operation with the car in the ‘ON’ state, as otherwise it may lead to the depletion of the car battery.
- The power of car charging is usually in the range of 90W-120W, resulting in a longer charg ing time.
- If rapid charging is needed, it is recommended to use mains power.



Product Parameters

Product Name	F3600 Pro Portable Power Station
Product Dimensions	L*W*H=609*321*475.5mm
Product Weight	42.5kg
Battery Capacity	3840Wh(3*3840Wh MAX 11520Wh)
AC Charging	220V-240V 2200W Max
XT90 Input	12V-160V 2000W Max
AC Output	220V-240V Rated 3600W; Pure Sine Wave
USB-A Output	(QC3.0 18W)X2
Type-C Output ①	(PD20W) X3
Type-C Output ②	(PD100W)*1 Including PD3.0 Protocol
DC 5521 Output	12V/3A*2
XT-60 Output	12V/25A
Cigarette Lighter Output	12V/10A
Shutdown Current	＜500uA
Operating Temperature	-10～40℃
Environmental Humidity	≤90%RH
Cyclic Charging	＞6500 Times

Battery Specifications

Type	40135 Lithium Iron Phosphate
Single-cell battery rated voltage	3.2V
Single-cell battery rated capacity	20Ah
Ratedated voltage of the battery pack	48V
Output voltage range of the battery pack	40V~54V
Rated capacity of the battery pack	3840Wh

APP Connection

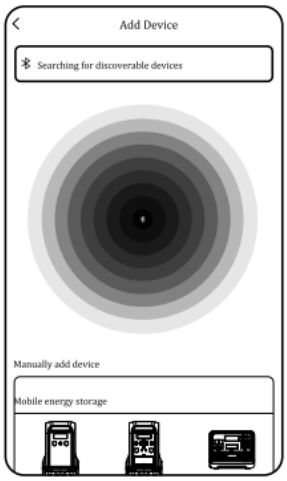
Step 01

BrightEMS

Step 02

Add Device

Step 03



Use Bluetooth to search

WIFI connection

Connect to the network

After-Sales Card

After-sales card	
Name	
Address	
Phone	
Email	
Brand, Order Number	
Purchase Date	
Fill in the Date	
Description of Fault	
Please complete the above information in full	

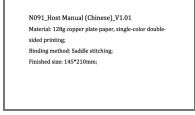
This product provides a 24-month warranty service from the date of purchase.

- If there are quality issues within normal usage range, we provide warranty service.
- After purchasing our company's product, please keep the product together with the invoice and other related items. If repair service is needed, please provide the required documents according to our company's specifications.
- If the warranty certificate is damaged or altered, and there is no official stamp from the selling store on the warranty certificate, warranty service will not be provided.
- Damages caused by exceeding normal usage parameters are not covered by the war ranty service.
- The content within the scope of the warranty is subject to approval by our company.
- Even within the warranty coverage, there may be instances where a product with si milar functionality is provided. Shipping and repair costs for products outside the warranty coverage are the responsibility of the customer.
- At times, product specifications and features may be updated without prior notice.

Disclaimer
Before using, please read the user manual of this product to ensure a complete understanding of correct usage. After reading, please store the manual safely for future reference. Failure to operate this product correctly may cause serious harm to yourself or others, leading to product and property losses. Once using this product, it is considered that you have understood, accepte
d, and agreed to all the terms and content of this document. Users commit to being responsible for their actions and all consequences arising from them. Our company is not liable for any losses
incurred due to users not following the product manual.
In compliance with legal regulations, our company reserves the ultimate right to interpret all documents related to this document and the product. In the event of updates, revisions, or termination, no separate notice will be provided. Please visit our official website for the latest product information.
Manufacturer: Shenzhen Qichang Intelligent Technology Co., Ltd.
Address: Building 7, Yunli Intelligent Park, No. 7 Changfa Middle Road, Yangmei Community, Bantian Street, Longgang District, Shenzhen
Technical Service Email: **support@fossibot.com**
Company Official Website: **https://www.fossibot.com**

https://eu.fossibot.com/

Documents / Resources

 N091_Host Manual (Chinese)_V1.01 Material: 128g copper plate paper, single-color double-sided printing; Binding method: Saddle stitching; Finished size: 145*210mm;	FOSSiBOT F3600 Pro Portable Power Station [pdf] User Manual F3600Pro, F3600PRO-, F3600 Pro Portable Power Station, F3600, Pro Portable Power Station, Power Station, Station

References

- User Manual

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