TP800

Portable Power Station

User Manual

Company official website: www.tulipwr.com
Technical service email: support@tulipwr.com

Thank you very much for purchasing the portable power station. Be sure to read this manual carefully before using the product in order to use it correctly. This manual is needed for after-sales service. Please keep this manual together with the invoice and other purchase certificates.

In order to ensure the safety of this product during transportation, it is only charged to about 30% when it is packaged. Please recharge when you get the product/Please recharge the product as soon as you receive it. The product can be charged directly by the wall socket, please do not use extension cords and cable taps.

When charging the product, do not plug other products in the same socket

Warning and Precautions for Use

1. Please avoid long-term storage and use of this product in environments with high temperature and humidity or direct sunlight to avoid shortened battery life and other failures.

2. The product should not be close to the fire source, otherwise it may cause a major fire or accident.

3. This product must not be disassembled or modified. Improper operation may cause product malfunction or even fire.

4. Please store or use this product out of the reach of children, otherwise the product may be dropped or collided and cause bodily injury to children.

5. Please use our original accessories, and we will not guarantee the defective products caused by the use of non-original accessories.

6. Please directly plug in the wall socket to charge the product, do not use extension cords or cable taps, otherwise there is a risk of damage to the extension cords and cable taps or even a fire; If the extension socket is plugged in to charge this product, please do not connect other electri- cal appliances to this socket, otherwise the household meter may trip.

7. When the product is not in use or idle, please turn it off and unplug the power cable. If it needs to be idle for a long time, please consume the product from a fully charged state to an uncharged state, then recharge it to about 50% of the battery level and store it. In order to prolong the life of the product, please take three months as a cycle, operate and keep it in this way.

8. If the product reaches scrap conditions, please discard or recycle the product in accordance with local laws.

9. Please avoid using the product near high temperature, high humidity, direct sun environment and fire place.

10. Do not disassemble or modify this product, it will cause malfunction and fire.

11. Please discard or recycle the product according to the methods prescribed by local laws.

12. Be careful not to drop the product from a high place and give the product a strong impact.

13. Keep or use the product in a place out of the reach of children.

14. Please use our company's genuine accessories. The damage caused by the use of non-genuine accessories cannot be repaired free of charge.

15. Please leave a space of about 30cm away from the side suction and exhaust ports, so as not to affect the heat dissipation of the product.

16. When not using this product, please turn off the power and unplug the power cord.

17. Please avoid storing the product in a place exposed to direct sunlight with high temperature and humidity.

18. For long-term storage, please consume power from full power to no power once every 3 months, and then recharge to about 50%.

19. Please do not use this product and its accessory cables and connecting equipment when there is a defect.

20. Please do not store the product for a long time in extremely high and low temperature places such as in the car and in the field warehouse to avoid shortening the battery life.

21. Always operate or store the unit within the specified temperature range.

22.DO NOT place the unit on an unstable or tilted surface.

23. Make sure the area where you are using the unit is well-ventilated and spacious.

24. DO NOT ignore those warning signs on components or products made by manufacturers.

25. DO NOT insert foreign objects into the fan, vents, ports, or other openings.

26. DO NOT dismantle, cut, crush, puncture, or otherwise damage the unit in any way.

27.DO NOT insert foreign objects into the fan, vents, ports, or other openings.

28. 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.

29. Turn off the unit IMMEDIATELY in case of malfunction.

30. Use dry powder fire extinguisher in case of fire.

31. Keep the unit in a dry and cool place.

32. DO NOT place the unit on its side or upside down.

33.DO NOT stack anything on top of the unit, either in storage or in use.

34. Recommended storage temperature: 32-104°F/0-45°C.

35. Tulip Power Stations are NOT permitted to be carried on board as checked or carry-on baggage.

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Packing List

Power Station

AC Charger

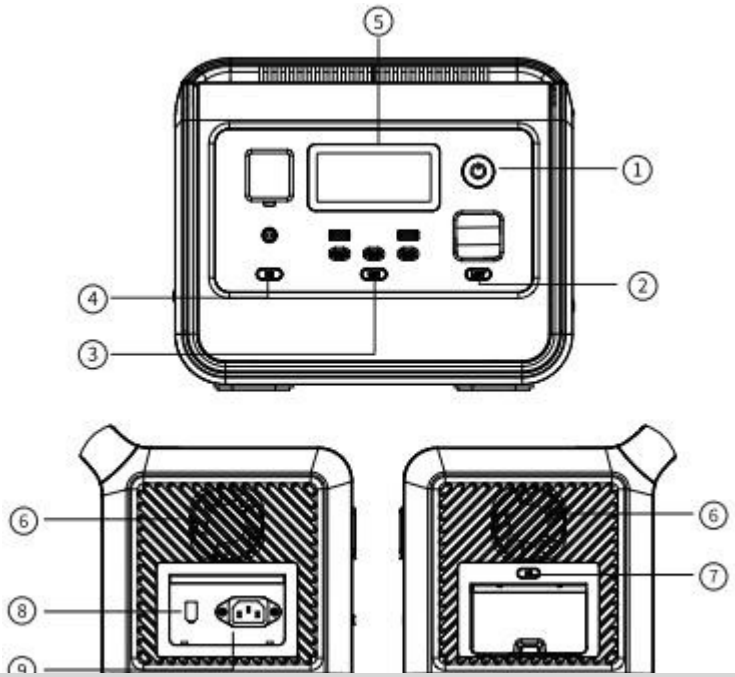
User Manual

MC4 to XT60
Plug Charging Cable

Product Introduction

This product is a 512Wh large-capacity 800W high-power portable power station supplied with 1.5 hours of high-speed charging, using a LiFePO4 battery with high safety performance. It can be used as a backup power supply in case of emergency power cut or a disaster, as well as for camping and vehicles, and can provide power for various power tools in any situation. 800W high power, pure sine wave AC output, can be used for household appliances such as dryers, microwave ovens, refrigerators, induction cookers; it can also be used for other electronic devices such as personal computers. Through the 400W ultra-fast charging, this model can be fully charged within 1.5 hours. The AC input/output voltage frequency can be automatically or manually switched between 50Hz/60Hz.
This product also supports a maximum 200W solar charge, allowing you to charge it even when the power is cut or in outdoor situations.

Introduction of Button Function



① Main power control LED
② Light control USB control
④ DC control LCD
③ display
⑤

⑥ Air intake/outlet
⑦ AC on/off control (50Hz/60Hz switching control)
⑧ XT60 input port(for solar panel) AC input port
⑨

① Main Power Control

Main Control for the whole system turn on/off.
Operate method: long press the button for 3s to turn on/off the system.

② LED light control

Operate method: short press to turn on and change the light mode (SOS/Flash). Notice: you can turn off the light by long press the button(1-2s) in any mode.

③ USB button

Operate method: short press to turn on/off.

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

④ DC button

Operate method: short press to turn on/off.

DC6530 Output×1	Cigar Lighter×1
12V/10A	12V/10A

⑤LCD display

Present the remaining power and using data.

⑥ Cooling system

When the fans are working, please don' t block the channel.

⑦ AC button (AC output, total share 800W)

Operate method: short press to turn on/off.

Notice: 1. Please confirm the output voltage or frequency before using

2. Long press the button for 3s to enter the frequency changing mode, 50Hz and 60Hz will blink in the display, press again the button to chose the right frequency, wait till the frequency is not blinking, then you will get the frequency you want.

3. Quick short press for 10 times to switch the voltage.

⑧Solar panel input

Use the included XT60→MC4 conversion cable to connect the solar panel.

1. Solar panels can have a maximum input of 200W and a maximum voltage of 50V.
2. If exceeding the maximum voltage leads to equipment damage, it is beyond the scope of warranty.

⑨ AC Input

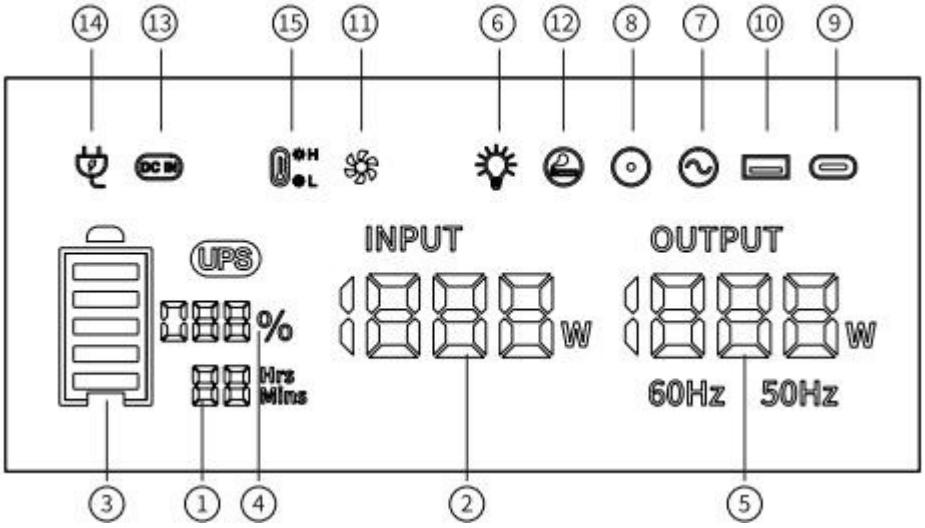
Use wall socket to get 400W fast charging, which can full charge from 0 to 100% in 1.5 hours.

※ The product can be charged directly by the wall socket, please do not use extension cords and cable taps. When the product is charging, do not plug other products in the same socket.

※ Please do not plug several devices together in a extension socket at once, the current will be to high and bring damage to the cable and fire risk.

※ If the extension socket is plugged in to charge this product, please do not connect other electrical appliances to this socket, otherwise the household meter may trip.

Display Icon Introduce



① Charging/using time
② Total input power
③ Battery Progress Bar
④ Power percentage
⑤ Total output power
⑥ LED light
⑦ AC output
⑧ DC output
⑨ Type-c output
⑩ USB output
⑪ Fan state
⑫ Cigar lighter output
⑬ XT60 charging
⑭ AC charging
⑮ High/low temperature protection

Display Attention

	When this icon light up. Please keep Air intake/outlet unobstructed.
	Please note that the device is now with high/low temperatures and may cease functioning until the temperature returns to the normal standard.
	When this icon is blinking, represent that the AC input is faulty, please recheck (Power/Hz/cable).
	When the icon is blinking, represent the output is fault, please recheck.

Charge & Discharge Simultaneously

● **UPS function**

This product has a bypass mode, does not need to pass through the battery, can directly output from the AC.

In UPS mode, when the AC input power of the mains is cut off due to a power outage, the ac input power of the mains can be used in about automatic switch to product battery power within 10 ms to ensure AC output.

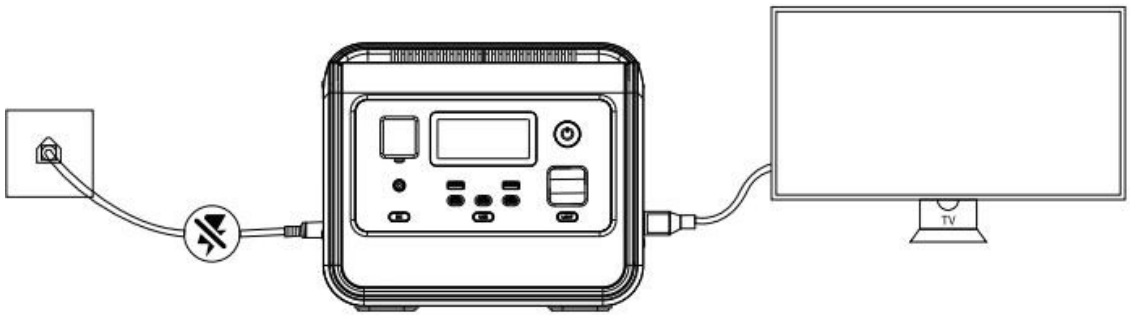
● **UPS Connections**

As shown in the figure below, connect the product between the socket on the wall and the electrical appliances, and the power of the product is in the ON state. When you turn on the power of the electrical appliances, they will directly use the AC power of the power grid.

In this state, when the power grid is cut off, it will automatically switch to the product's internal battery to supply power.

※ In UPS mode of the China, United Kingdom, Europe and South Korea, AC output of the maximum power below 800W, AC output over 800W, " " AC output icon flashes indicating overload.

※ The charging and discharging at the same time function of the UPS can work properly only when the F800 is connected with AC plug.



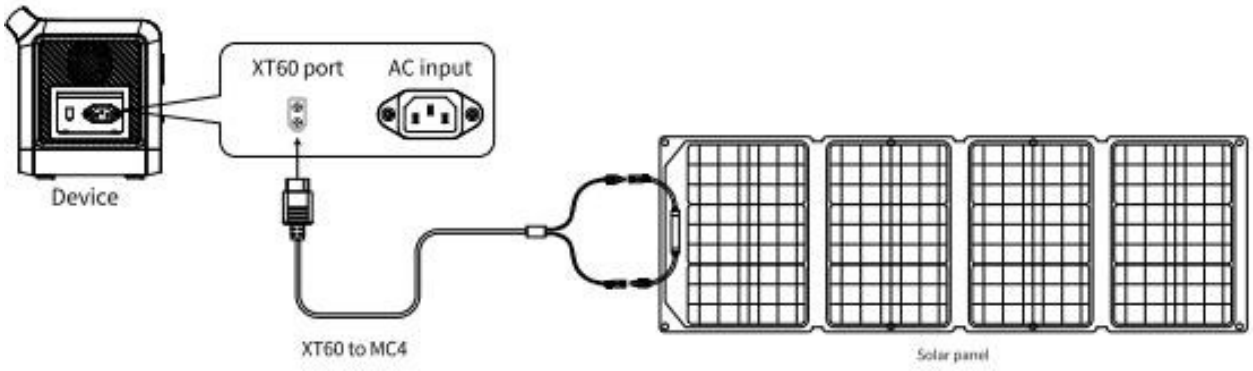
Solar Panel Connection

Our products can be connected to solar panels and can be charged through solar panels.

※ Solar panel charging power, according to the weather and climate conditions.
※ Solar panel voltage exceeding 50V will damage the equipment and may not be covered by warranty.

- **By solar panels**

Connecting Pattern The area of charging



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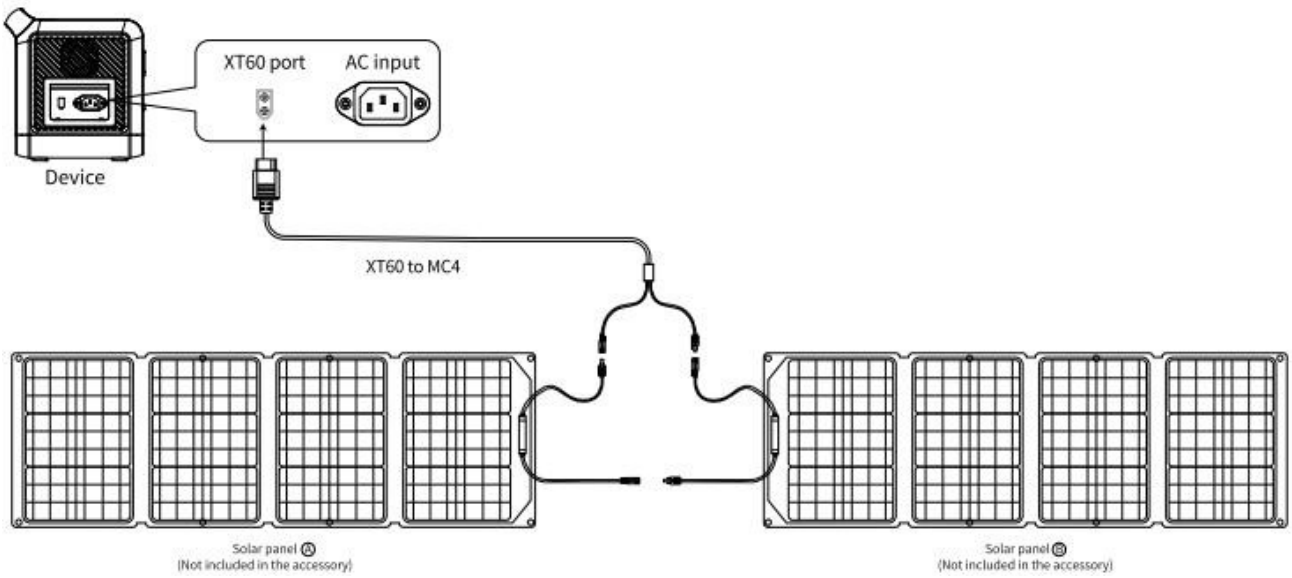
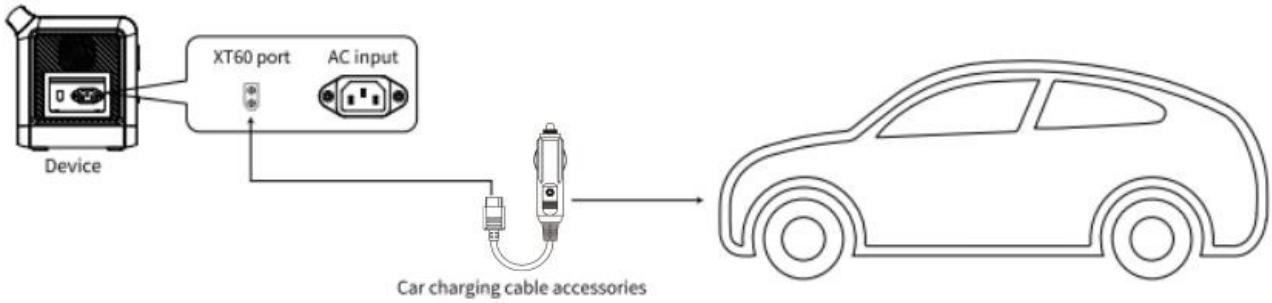


Car Charging

This product can be charged by the cigarette lighter in the car with an ACC cable (accessory: ACC hereinafter).
Turn on the power of this product, connect the ACC charging cable to the cigarette lighter in the car and the XT60 interface on the side of the product, turn on the engine of the car, and the LCD of this product will show the input power.

※ On-board charging should be carried out with the car engine turned on. If the engine is not turned on, the battery might run out.

※ Car charging is usually low power of 90-120W, and the charging time will be long. If you need quick charge, it is recommended to use the mains.



(The car charging cable is not included in the standard package.)

Specifications

Product name	800W Portable Power station
Product size	L*W*H=276*209*230mm
Product weight	6.5kg
Capacity	512Wh
AC Charging	50/60Hz 400W max，220V-240V
MPPT input	11.5-50V 8A 200W max
AC output	800W 50Hz/60Hz, pure sine wave, 220V-240V
USB-A output	(QC 3.0 18W)x2
Type-C output	(PD 100W)x1; (PD 20W)x2
DC 6530 output	12V/10A
Cigar lighter output	12V/10A
Power off current	<500uA
Operating temperature	-10~40°C
Charging temperature	0~40°C
Environment humidity	≤ 90%RH

Battery Specification

Battery type	40135 LiFePO4
Single cell rated voltage	3.2V
Single cell rated capacity	20Ah
Battery pack rated voltage	25.6V
Battery pack output voltage	21V-29V
Battery pack rated capacity	512Wh

Troubleshooting Table

Phenomenon	Cause	Processing method
The above output icon flashes and beeps.	The output exceeds the standard and it's short-circuited.	Remove the load, and then short press the switch in the area corresponding to the icon to remove the alarm
The temperature warning icon flashes and beeps.	The temperature of the product is too high or too low.	Take the product out of the charging state remove all loads, turn the power off, wait for the device to reach a suitable working temperature, then the alarm is removed.
The icon of connecting to the AC mains flashes and the product cannot be charged.	The charging cable is poorly connected.	The overload protection function is enabled.

Warranty Card

Warranty Card	
Model	
Name	
Address	
Tel	
Mail	
Name of the store	
Buying date	
Please fill in all the above items.	

This product provides a 12-month warranty service from the date of purchase

- If there is a quality problem within the range of normal use, we provide warranty service.
- After purchasing our company' s products, please keep this product together with invoices and other items. When maintenance services are needed, please provide information according to our company's request.
- In the case where the warranty is damaged or altered, and no stamp of the sales store on the warranty, the warranty service may not be provided.
- Damage caused by use beyond the normal range of use is not covered by the warranty service.
- The content of the warranty scope shall be subject to the content recognized by the company.
- Even within the scope of the warranty, sometimes it will be exchanged for products with the same function. The shipping and repair fees for products outside the warranty range shall be paid by the customer.
- Sometimes the specifications and functions of the product will be updated without prior notice.

Disclaimer

Before use, please read the user manual of this product to ensure full understanding and correct use. After reading, keep the user manual properly for future reference. If you do not operate this product correctly, you could cause serious injury to yourself or others, or result in damage to the product and property. Once you use this product, you are deemed to have understood, recognized and accepted all terms and content of this document. Users undertake to be responsible for their own actions and all consequences arising therefrom. We are not responsible for all losses caused by the user's failure to use the product in accordance with the User Manual.

In compliance with the law, the company has the final right to interpret this document and all related documents of the product. If it is updat- ed, revised or terminated without prior notice, please visit our official website for the latest product information.

Specifications may be updated, improved or modified without notice.

TULIP POWER

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