

GT500

Portable Power Station

User manual



1/Safety Instructions

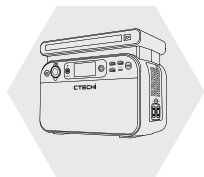
WARNING - When using this product, basic precautions should always be followed, including the following:

Read all the instructions before using the product.

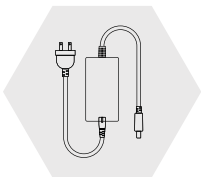
- 1.To reduce the risk of injury, close supervision is necessary when the product is used near children.
- 2.Do not put fingers or hands into the product.
- 3.Do not expose the product to rain or snow.
- 4.Use of a power supply or charger not recommended or sold by the product manufacturer may result in a risk of fire or injury to persons.
- 5.Do not use the product that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- 6.Do not disassemble the product. Take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or injury.
7. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- 8.Turn off when not in use.
- 9.Store product in a cool and dry place.
- 10.Do not store the product in a hot or humid environment.
- 11.Operating temperature should be between -10°C and 40°C.
- 12.If the product is not used for long periods of time, you should charge and discharge once every three months.
- 13.When charging a device, the product may feel warm, this is a normal operating condition and should not be cause for concern.
- 14.In normal conditions, the battery performance will decline over several years.
- 15.Do not clean the product with harmful chemicals or detergents.
- 16.Misuse, dropping or excessive force may cause product damage.
- 17.When disposing of secondary cells or batteries, keep cells or batteries of different electrochemical systems separate from each other.

The picture is only for reference, please make the object as the standard

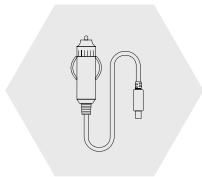
2/Package Content



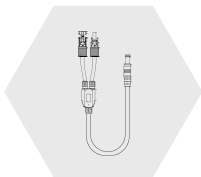
Portable power station x1



Power adapter x1



Car charging cable x1(Optional)

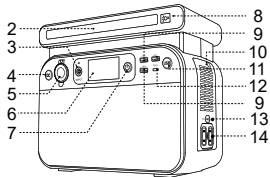
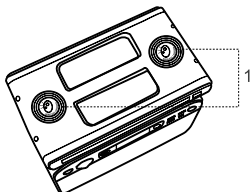


MC4 cable X1 (Optional)



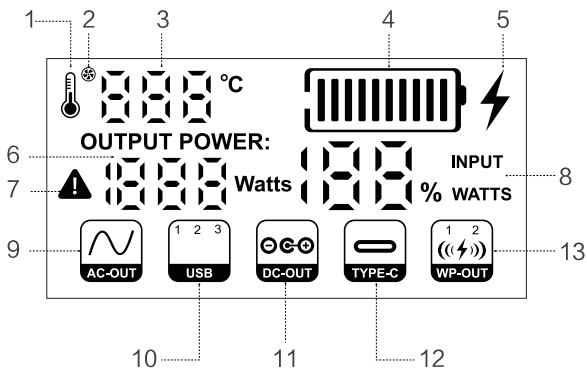
User Manual x1

3/Function Descriptions
















1. Wireless Charging
2. LED Light
3. DC Input
4. DC Output Button
5. Car Socket
6. LED Screen
7. Power Button
8. LED Light On/Off Button
9. USB-A Output
10. 10:50Hz/60Hz frequency switch (Japanese standard only)
11. USB On/Off Button
12. USB-C
13. AC Output On/Off Button
14. AC Socket

4/Screen Display



LED Screen Display

	1. Temperature Icon		2. Fan Icon
	3. Temperature Value		4. Power Display
	5. Quick Charge Icon		6. Output Power Value (updated once in 3S)
	7. Warning Icon		8. Input Power Value/battery level (update once 3S)
	9. AC Output Icon		10. USB Output Icon
	11. DC Output Icon		12. USB-C Output Icon
	13. Wireless Charge Icon		

5/Specification

1. When the temperature is about -10°C , only the USB power supply function and LED lights can be used normally; when the temperature returns to above -5°C , the AC resumes work, USB-A/USB-C, and DC output can be turned on normally (temperature The error is about $\pm 2^{\circ}\text{C}$).
2. Due to the low temperature properties of lithium iron phosphate batteries, it is recommended that the product be used in an environment above -3°C .
3. When the battery is overcharged or the battery temperature higher 65° or lower of -5°C , the product cannot be charged normally;
4. When the product is no-load or the total DC load power is less than 5W, or when the AC actual load power is less than 5W, the product will go to sleep after 8 hours.

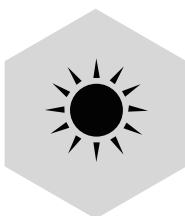
6/Charging Ways

Please charge the product with adapter. The LED display will show the charging power and current battery level. When the battery level icon is full, it means fully charged.

Charge the product with adapter



Charge the product with solar panel



Charge the product with car charger



1. When the battery icon is full and always on, it means it has been fully charged, the built-in overcharge protection circuit control module starts, and the charging stops automatically. Please disconnect the device and the power outlet in time.
2. This product supports MPPT input voltage range is 12-29V/input current 4-7A (recommended 18V100W)
3. This product supports car charging voltage range is 12-14V/input current 5A.

7/Product specifications

Product number:	GT500
Battery energy:	518Wh(19.2V=27Ah)
AC output waveform:	Pure sine wave
input	AC Charge Input Power: 27V=4.5A Solar Charge Input: 12-29V DC (MAX 120W) Car charger charging: 12-14V=4-6A (MAX 85W) USB-C*1: 20V=3A (MAX 60W)
output	AC Output : 100-120Vac 50Hz/60HZ Rated power: 500W Peak power: 1000W Car cigarette lighter (Output *1): 12V=8A (MAX 96W) USB-A (Output*3): 5V=2.4A USB-C (Output*1): 5V/9V/12V/15V/20V=3A (MAX 60W) Wireless charging*2: 10W
Battery Type:	LiFePO4 Battery
Cycle life:	Remaining capacity above 85% after 3500+cycles
Charging temperature:	0°C-40°C
Discharge temperature:	-10°C-40°C
Storage temperature:	-10°C-40°C
Idle Life:	It is recommended to charge the product every 3 months
Product Size:	287x161x230mm
Weight:	7.0kg

8/Common fault prompts and solutions

1:The product cannot be powered

- 1.Please make sure that the POWER button and output button are turned on. (If the ambient temperature is not within the range of -10°C to 40°C, the power supply may not be available).
- 2.When connecting the power plug of electrical equipment to the machine, be sure to insert the plug to the root. If there is any water or foreign matter on the charger connector or charging input terminal, remove it.
- 3.Please check the remaining power on the display. If the remaining power is less than 10%, you need to recharge the portable emergency power supply.
- 4.Please check whether your device voltage and power consumption are higher than the output power limit of this product. If the upper limit is exceeded, short circuit protection, overcharge protection, over current protection, discharge protection, temperature protection, overload protection, etc. will be activated, and the portable emergency power supply will automatically shut down. Please check whether the protection circuit is normal.

2: What are the common display fault prompts?

- 1.When the USB is over-current or short-circuit protected, the port closes the output, and the USB icon flashes to warn.
- 2.When USB-C over-current or short-circuit protection, the port closes the output, and the USB-C icon flashes to warn.
- 3.When the cigarette lighter output over-current or short-circuit protection, the port closes the output, and the DC-OUT icon flashes to warn.
- 4.When AC continues to output to the low voltage of the product, the AC icon on the screen will report an error and flash, and the AC will turn off the output.
- 5.① When the AC output triggers the module over-temperature protection, the AC closes the output and automatically restores the output after the over-temperature state is released;

② When the AC is overloaded, the inverter board AC shuts down the output; the "AC" on the screen will flash and alarm. After the overload state is removed, press the AC output button and the screen will clear the error message, and then restart the AC function button to restore the output.

③ When the AC is over-voltage, the AC closes the output, after removing the overvoltage state, restart the AC function key to restore the output.

④ When the AC output is short-circuited, the AC closes the output. After the short circuit state is removed, restart the AC function key to restore the output.

6. When the battery is 65°C over temperature protection, all outputs will be turned off. The temperature value shows the highest battery temperature value. The temperature icon and temperature value flash at the same time (1 flash for 1 second), and the fan works until the battery over temperature protection is released.

7. The display is completely black, disconnect all electrical equipment on the product. After charging the power for 2-3 minutes, turn on the POWER button and the display will be reset.

3: When I charge the portable power supply, the adapter becomes very hot, is this normal?

Our portable power supply is equipped with an AC adapter. According to safety standards, the maximum temperature of the adapter is 75°C. For your safety, the configured adapter has passed UL2743, CE, GS, PSE, TUV, ETL and other certifications.

4. What is the capacity of 518Wh?

518Wh means this product can run a 518W (watt) device for one hour. Of course, a device that consumes 100W (watts) of power can run for 5.18 hours. (This is a theoretical value, the actual use time will be reduced by 10%-15% due to the discharge loss)

9/Warranty Policy

This guarantee guarantees that the product will be replaced free of charge under the conditions stipulated in the guarantee policy. Please read the guarantee carefully and keep it in a safe place.

1. Only when the product is used in accordance with the instructions in the operating instructions and fails within the warranty period, it will be replaced. Products replaced during the warranty period become the property of the company.
2. To get a warranty replacement, please send this warranty card together with the product. The shipping cost of returning the product for replacement is the customer's responsibility.
3. Under the following conditions, it will not be replaced during the warranty period.
 - ① Failure or damage caused by failure to follow the precautionary measures described in the instruction manual.
 - ② Failure or damage caused by improper storage and storage (complete discharge).
 - ③ Failure or damage caused by the use of a non-designated power adapter.
 - ④ Failure or damage caused by improper repair, disassembly or modification.
4. There is no guarantee for secondary damage caused by the malfunction of this product.
5. We are not responsible for any failure or malfunction of other equipment caused by the use of this product.
6. This manual is only valid for use in (this sales area), and the company has the final interpretation right.
7. This manual will not be reissued, so please keep it in a safe place.
8. If the dealer's name is not written or stamped, please submit the proof of the date of purchase and the dealer's name to the dealer who purchased the product, such as a receipt issued by the dealer. If you do not have such proof, please contact your dealer or the company which you purchased the product. If you purchased the product in our online store, you must provide proof of the date of purchase, such as a screenshot of the invoice, order number or order history, together with.

10/Warranty card

Model:	GT500
Date of purchase:	
Warranty period:	1 years from date of purchase
Name :	
Address :	
E-mail :	
Vendor Name:	