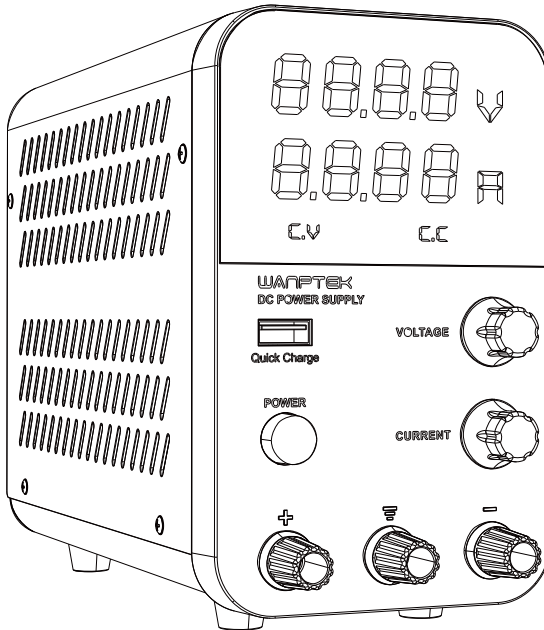


WANPTEK

Solid state DC power supply



GPS series

Product Instructions

Security Summary

Welcome to use the program-controlled DC regulated power supply (referred to as power supply) produced by our company. This manual contains important safety instructions that must be followed for the operation and storage environment of this series of products. To ensure your personal safety, you must read this manual carefully before operation to avoid personal injury due to improper operation, or damage to the power supply and other load equipment connected to the power supply.

Job Requirements:

1. AC input:

Please first determine the AC voltage allowed for input to this machine. This machine can realize two types of AC voltage input through the conversion switch on the rear panel: AC 230V±10% or AC 115V±10%



When "230V" can be seen, the allowable input voltage is: AC230V±10%



When "115V" can be seen, the allowable input voltage is: AC115V±10%



Incorrect AC voltage input may cause serious damage to the machine.

Please confirm the input voltage value required by the machine.

2. Connect the ground wire:

When using this product, please make sure that the power cord is well grounded. If there is no ground wire in the power socket, you can use a wire to connect the ground terminal of the machine to the earth. Good grounding can effectively prevent leakage of the machine and reduce output ripple interference.

Connect load equipment

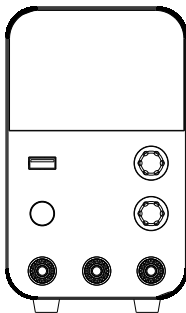
1. Connect one end of the output wire to the wiring terminal of the power supply according to the positive and negative poles. 2.

Connect the other end of the output wire to the positive and negative poles of the load device firmly.

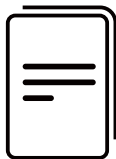


Incorrect connection may damage the power supply and the load connected to it. When connecting a load such as a battery, do not connect the "+" and "-" poles in reverse, as this may damage the power supply.

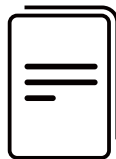
Product List



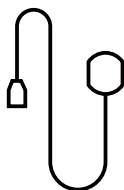
power supply



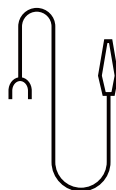
manual



Warranty card



Power cord

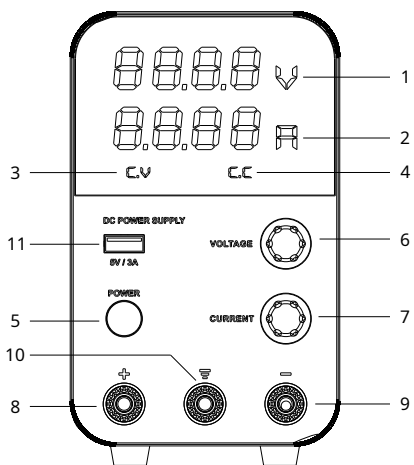


Output line

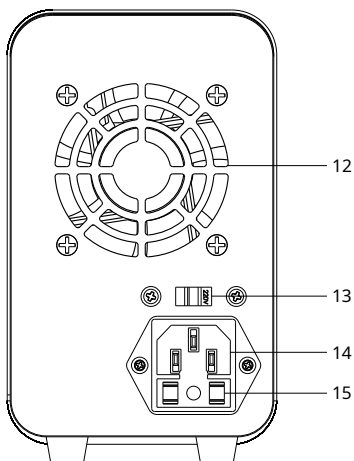
Product Specifications

model	GPS305D	GPS3010D	GPS605D	GPS1203D	GPS1602D
Output voltage	0~30V	0~30V	0~60V	0~120V	0~160V
Output Current	0~5A	0~10A	0~5A	0~3A	0~2A
Output Power	150W	300W	300W	360W	320W
Fuse specifications:	3A	5A	5A	5A	5A
Product size:	Length 190mm x Width 90mm x Height 145mm				
Product weight:	Product net weight: 1.2Kg, gross weight: 1.5Kg				

Product Introduction



1	Voltage output display
2	Current output display
3	Voltage indicator light
4	Constant current indicator light
5	Power switch
6	Voltage Regulation Settings (Press and hold to turn off/on the reminder sound)
7	Current Regulation Settings
8	Positive polarity (red)
9	Negative polarity (black)
10	Ground terminal (green)
11	USB fast charging



12	Temperature controlled cooling fan
13	AC input voltage selection switch
14	Power outlet
15	Fuse Box

Instructions

There are two types of power output modes: constant voltage output (CV) and constant current output (CC). The output mode is determined by the voltage and current values set by the user and the load connected to the user. The voltage or current value of the power supply output will not exceed the voltage and current values set by the user.

In constant voltage mode, the output voltage value is equal to the voltage value set by the user. In

constant current mode, the output current value is equal to the current value set by the user.



在实际的CV操作中，如果负载阻值减小导致输出电流增加到设定的电流值时，电源将自动切换到CC模式，当负载阻值继续减小时，电流将保持在电流设定值，电压则按比例下降 ($I=V/R$)。此时加大负载阻值或提高电流设定值则可恢复CV输出状态。

VOLTAGE Voltage regulation encoder

Used to adjust the voltage setting. Turn clockwise to increase the value; turn counterclockwise to decrease the value. Press the coding switch to shift to the left. After 3 seconds of setting the voltage, the flashing stops and the current setting value is saved.

CURRENT Current regulation encoder

Used to adjust the current setting. Turn clockwise to increase the value; turn counterclockwise to decrease the value. Press the coding switch to shift to the left. After 3 seconds of setting the current, the flashing stops and the current setting value is saved.

Beep off/on

Long press the voltage adjustment encoder to turn off/on the beep tone.

USB fast charging function

This machine has USB fast charging function, built-in multi-protocol fast charging identification chip, and output power up to 18W.

Frequently asked questions

Product Warranty

1. This product enjoys free maintenance service within one year from the date of purchase, except for the following circumstances:

- a. Failure to present the warranty card of this product:
- b. Failures caused by abnormal use, such as improper human operation and damage to the device.
Improper repair, modification or adjustment:
- c. Consumable materials are not covered by warranty:
- d. Natural disasters that are force majeure, such as floods, fires, earthquakes, etc.: 2. Repairs beyond the warranty

period will be charged a maintenance fee, and the user is responsible for the costs incurred by the maintenance.

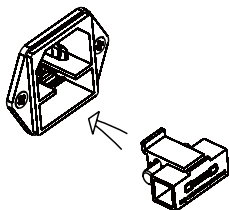
Fuse Replacement

If the fuse blows, the machine will stop working. Find and correct the cause of the blown fuse, then replace it with a fuse of the same specification.



How to replace the fuse:
Remove the power plug first, then
Open the fuse holder as per the view.

Replace the fuse with the same model and specification
After the fuse is removed, reinstall the fuse holder.



High voltage danger

For effective safety protection, only fuses with specific specifications can be replaced.

Before replacing the fuse, be sure to turn off the power and unplug the power cord from the power socket.



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