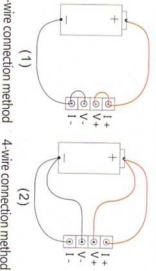


# L24 Color Screen Bluetooth Data Transmission Digital control Curve Load Meter User manual



## Two input connection methods



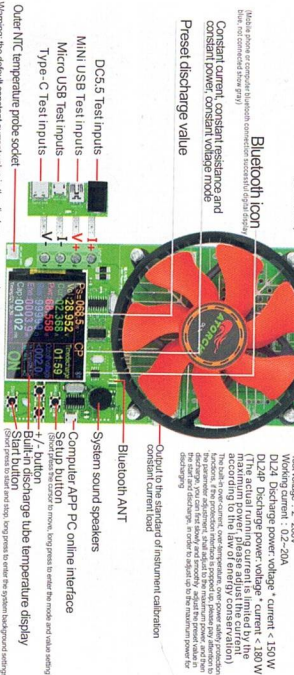
(1) 2-wire wiring method: This method is relatively simple and convenient. I+ and V+ are shorted, I- and V- are shorted, the two holes are combined into one, connect to the I+ and I- terminals.

(2) 4-wire connection method: voltage measurement is not affected by the voltage drop of the wire. The influence of voltage measurement is more accurate. It is recommended to have a certain circuit basic knowledge users use this method.

This product is used to inspect and test the capacity of various batteries discharge and aging various power adapters, USB chargers, various portable power and other power supply equipment

The management for technology constantly updated and keys function with minor discrepancy, adjustment and manual without prior notice, and the product with its purchase status page introduction

## Introduction and parameters of interface and key functions Product the power supply input port



## Fast application method of constant current discharge mode:

Insert the power supply adapter inside the packing box into the power input port of product end, at this time the product is lit up, and then after the power supply under test is connected, the display screen shows the present measured values of the input voltage, short press the set key, at this time, the cursor below the constant current digital move the cursor around, adjusted to the value you need, then press the add or subtract keys, after the corresponding numerical is displayed on the screen, long press the set key, the product will enter the constant current discharge mode, the display screen shows "ON" begin the discharge, again press the start key, the accumulation, and timing, if you need to set a time, short press the set key, and the stop voltage value, please, when the stop of discharging, long press the set key one time, the product will display the interface begin the heating show, then short press set key, moves to the numerical

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flicker of limit-time discharge column, the heating numerical can be adjusted by short pressing plus or minus keys, after setting a short press start key, save and confirm or wait the stop of flicking, automatically save.

## Application methods of constant resistance, constant power and constant voltage

Under the state of the product electricity and stop discharge, long press the set key, the CC display interface begin the heating show, at this time, again short push the add or subtract adjustment a few model of CR - CP - CV - CC for cycling the show, after selecting the corresponding function model, and after waiting for the stop of flicking, the system saves the entered into this function model, and then can adjust and open, close, discharge by using the same application methods of constant current discharge model in the above section.

## Methods and techniques for the inspecting and measuring of battery capacity and electric quantity

Firstly, Your battery to be measured is fully charged, and then long press the start key or long press the set key to enter the backstage, the accumulated data is reset, and exit the backstage, long press the set key CC again, start flicking, short press the set key to the stop voltage column, after setting your lowest voltage of battery discharge, short press the start key to save, and then set the rated current value of discharge well, short press the start key to start measuring the accumulated capacity value of battery, when the discharge aging is up to the stop voltage value of battery that you set, the system will display a "Complete", indicating that the capacity measuring and testing is completed, at this point, the capacity mAh and power Wh showed on the display screen is the capacity and power value of battery.

## Detection methods and techniques for the output voltage and current value and maximum power value of DC power adapter

Connect the output of your power supply to the product, the display screen displays the current voltage value, and then set the nominal current value of the power supply to be tested to this device, and then start the load for 3-6 hours discharge aging. During the process, the temperature of the power supply to be tested is not high and the voltage is stable, indicating that the quality of the power supply under testing is stable, and the

nominal value is accurate without any false marking; in the process of starting "ON" to discharge, by short pressing the +/- key, the current is increased to the moment when the voltage of the power supply under test drops and the voltage is zero, read the current value

product inside the power-on memory function, the discharge can be completed in one step, the discharge process can also divide into the many-times discharge, check the capacity value again until the power of charge pal runs out.

itself, this evaluation value can only be taken as the relative value but not as the absolute value.

Compared with the no-load voltage, the current value at this point is the current value of the drop is 1V less than the no-load voltage, the current value at this point is the current value of the cable line under test.

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Figure 1

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