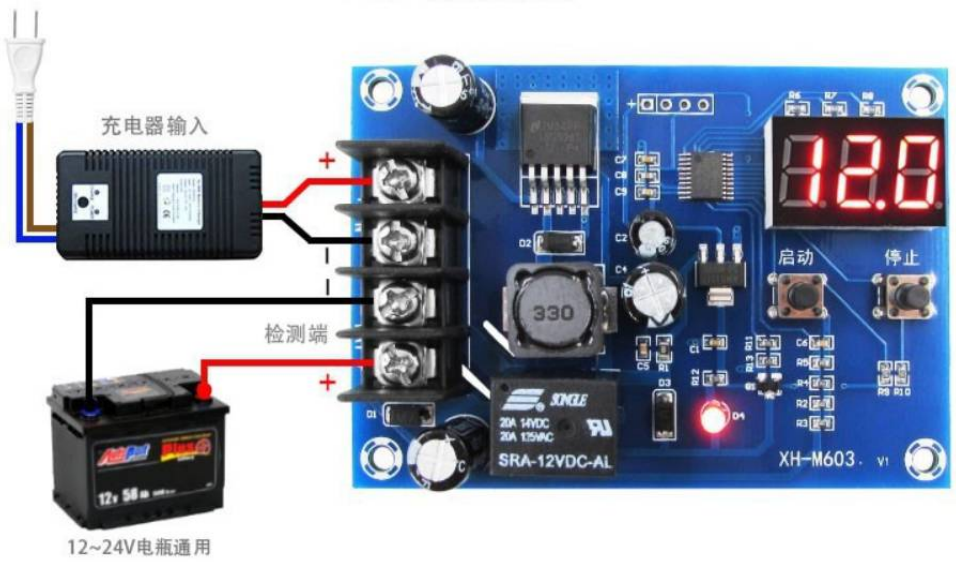
XH-M603 Battery & Lithium Battery Charging Control Module | Battery Charging Control Protection Switch (12-24V)

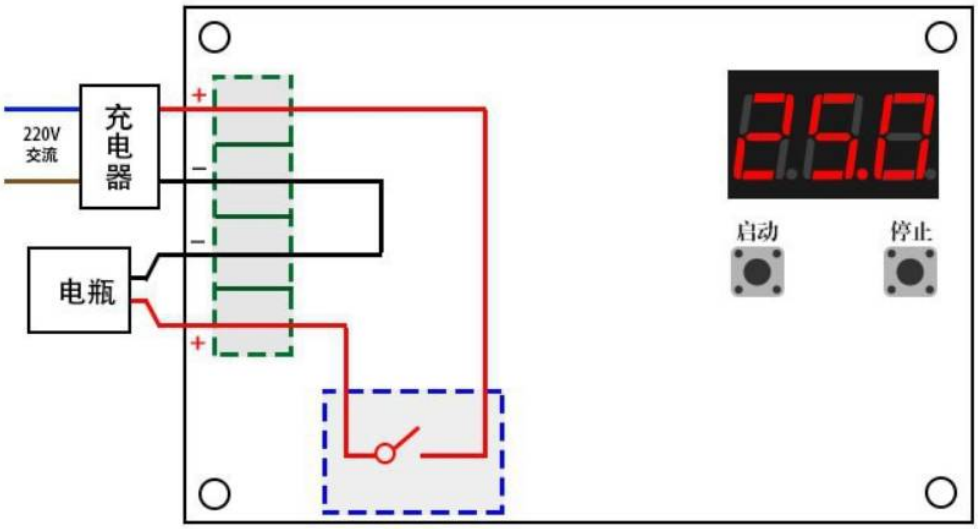
Product Introduction

1. **Model**: XH-M603
2. **Input Voltage**: DC 10-30V
3. **Display Precision**: 0.1V
4. **Control Precision**: 0.1V
5. **Output Type**: Direct Output
6. **Voltage Tolerance**: ±0.1V
7. **Application Range**: Suitable for 12-24V various batteries
8. **Dimensions**: 82×58×18mm

Usage Instructions

1. **Set Start Voltage**: In the normal voltage display state, press the button to show the start charging voltage; long-press for 3 seconds to make the digital tube flash. You can press the start/stop button to adjust the start charging voltage value.
2. **Set Shutdown Voltage**: In the normal voltage display state, press the button to show the charging voltage; long-press the button for 3 seconds to make the digital tube flash. You can press the start/stop button to adjust the charging voltage value.
3. **Factory Reset**: While in the power-on state, press the Start/Stop button simultaneously, and the digital tube will display "888", indicating the completion of factory reset settings.





The diagram above is a schematic of the control principle. The main board controls one of the charger's wires via a relay to switch the charger's output on and off. By automatically connecting and disconnecting the charging process, it not only saves energy but also extends the battery's service life and prevents overcharging!

Note:

If there is no display after connection? You may not have connected the battery!

The module must be connected to a battery to work properly. The control board will not operate if it does not detect a battery.

For lead-acid batteries, slow charging is typically used:

The charging voltage is about 1.2 times the rated voltage, and the charging current is about 1/10 of the battery's rated capacity.

Example: For a 12V 50Ah battery, the charging voltage is 14.4V and the charging current is 5A.