
HKD XH-M609 LOW BATTERY CUTOUT

1. Parameters

| Parameter | Value |
|----------------------|--|
| Product name | Battery over discharge protection module |
| Power supply voltage | The 12 V- 36 V battery |
| Output voltage | Equal to power supply voltage |
| Control precision | 0.1 V |
| Power consumption | Less than 1.5 W |
| Scope of application | Various storage batteries, lithium batteries |
| Net weight | 28 g |
| Size | 57 * 42 * 19 mm |

2. Features

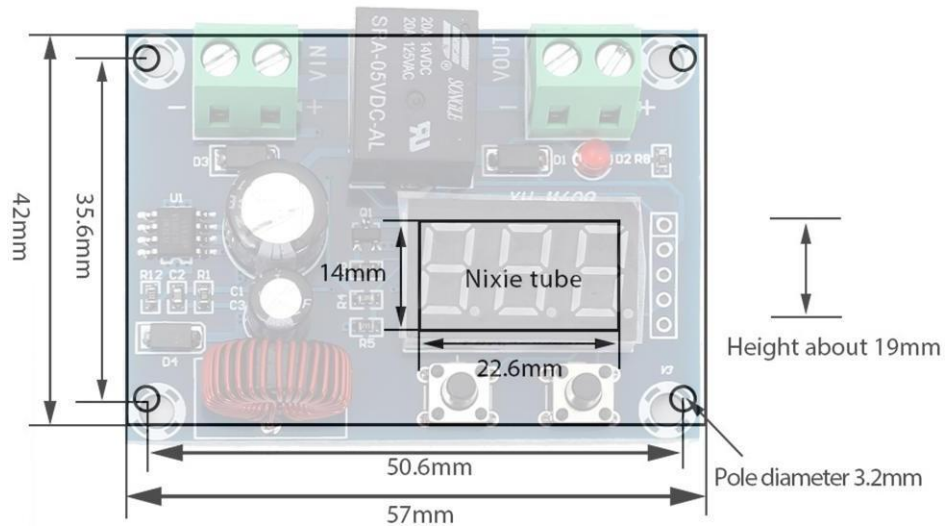
① Programmable battery low voltage disconnect switch for DC12-36V lead acid battery and lithium ion battery. It's a protection switch module, not included batteries itself. Pack of 2 is more cost-effective.

② On-board momentary push button to set the low voltage disconnect parameter and 3 digit red LED display the parameter easy to operation.

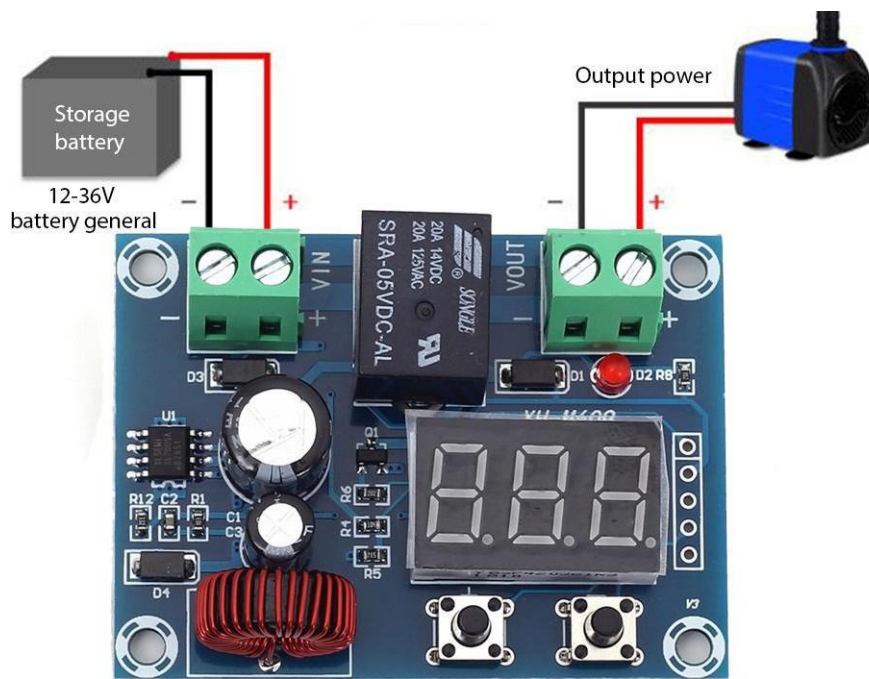
③ When the battery voltage reach the setting values, the module will disconnect load automatically to avoid the battery from over discharging to prolong the battery lifetime.

④ Display is accurate, the switch module can quickly open and close when near minimum voltage. It will save the setting when power cut off.

3. Size



4. Wiring Diagram



5. Instruction

Press "+" the LED displays the low voltage protection parameter. Hold on the "+" to enter setting manual to set the protection parameter

Press "-" will display the difference value. Hold on the "-" to enter setting manual to set the difference value.

What is the "difference value"?

The value between the battery voltage to disconnect and the battery voltage to reconnect.

For example

1. *How to set if I want it to stop outputting when the voltage is lower than 11V and start when the voltage is over 11.6V?*

Hold on "+" and set the value as 11. The LED starts flashing. After the flashing stops, hold on "-" and set the difference value as 0.6V.

2. *How to set if I want it to stop outputting when the battery voltage is lower than 12.5V and start when it is over 14.8V?*

Hold on "+" button to set it as 12.5 and then hold on "-" button to set the difference value as 2.3 (because $14.8V - 12.5 = 2.3V$).