

BATTERY EQUALIZER

Model: HC02 Type: energy transfer Quiescent current: 50mA(12V) CE
Used for: lead-acid battery, Li-ion battery, LiFePO4 lithium battery etc.

Red: + Black: - Connection type: series or parallel Voltage scope: 7-18V

Battery Equalizer HC02 User Manual

APPLICATION

HC02 battery equalizer is suitable for lead-acid batteries(VRLA), lithium iron phosphate batteries(LFP), nickel-cadmium secondary batteries(Ni/CD), and nickel-metal hydride secondary batteries(Ni/MH). It starts work when the voltage higher than 7V, it means that this equalizer can be used in a single cell battery range from 7V to 18V. One equalizer can connect 4 batteries once a time, if battery less than the 4, the extra cable can be vacant (positive and negative terminal should be avoided), does not affect the equilibrium effects. The equalizer is not affected with battery connection way, no matter in Series or in parallel, both can work.

TECHNICAL DATA

Battery nominal voltage	4 × (7.4V/11.1V/12V/14.8V)
Optimizing current	0-10A
Quiescent current	50mA(12V)
Dimensions	62 × 124 × 27 mm
Protection	Reverse polarity protection
Display method	LED Tube Display

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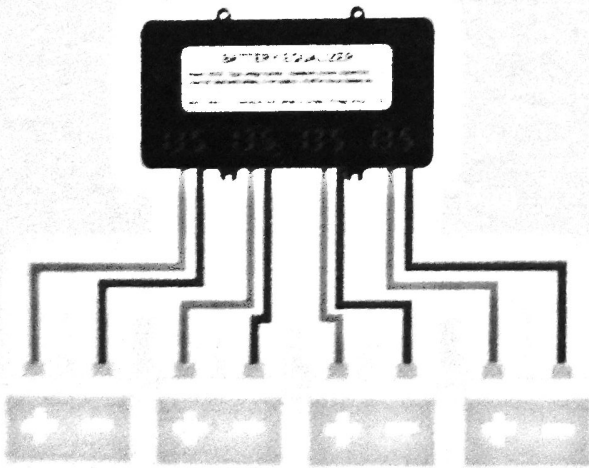
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INSTALLATION

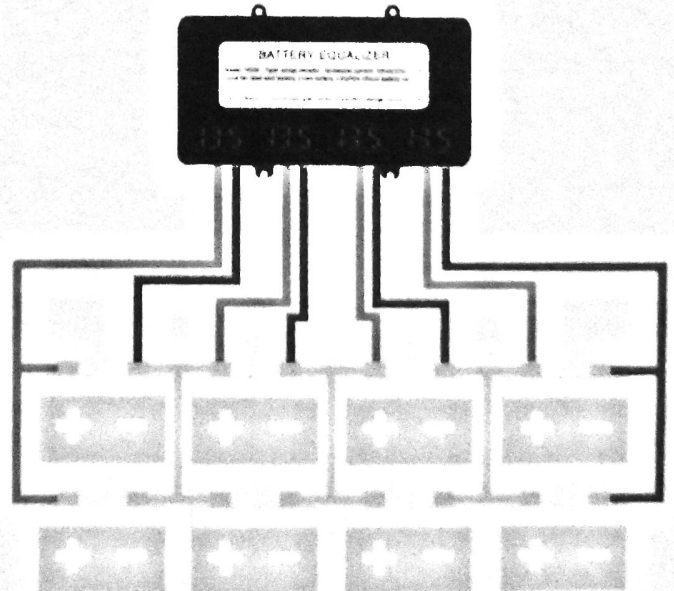
1. The red wire connects the positive electrode of the battery. The black wire connects the negative electrode of the battery.
2. Connect multiple batteries in the above manner (unlimited connection order).
3. Dispose unused battery wires to avoid short circuits.



Please read the instruction manual before installing the device!
Before connecting the equalizer, please confirm the positive and negative poles of each set of batteries to avoid the short circuit and reverse connection between the terminals of the battery equalizer.



4x12V Battery



8x12V Battery

FAQ OF HC02 BATTERY EQUALIZER

1. What is the working principle of the HC02 battery equalizer?

The HC02 battery equalizer is a capability-transferred equalizer. When the voltage difference between the batteries connected in series exceeds 10 mV, the battery equalizer starts to operate and the current flows from the higher voltage battery to the lower voltage battery. The maximum compensation current is 10A.

2. When does the battery equalizer start working?

When the difference between the two battery voltages is less than 10mV, the battery equalizer starts to work.

3. Can the HC02 battery equalizer be used when charging or Discharging?

Yes, the battery equalizer can be used during charging and discharging, and it can balance the battery voltage.

4. Can HC02 battery equalizer use lithium battery?

it could work for lead-acid batteries, lithium iron phosphate batteries, nickel-cadmium or nickel-metal hydride batteries .

5. Can HC02 battery equalizer be used in parallel?

It can be used in parallel or in series with 2-4 batteries.