

# Feature:

- ① Advanced technology
- ② High precision chips reduce component deviations
- ③ Simple wiring and low power consumption
- ④ Ultra-fast balance speed
- ⑤ Supports the combination of multiple modules
- ⑥ Flame retardant shell facilitates customer installation
- ⑦ Suitable for 4 series of 12V lead-acid batteries or lithium battery packs

# Specification:

Model No	HA02
Battery nominal voltage	4 x 12V
Optimizing current	0-10A
Quiescent current	<5mA
Under voltage lock out	1.8V
Protection	Reverse polarity protection
Dimensions	62x124x27mm
weight	0.4kg
Extend connect wire	16awg 50cm with M8 ring

Model No	HA02
Single Battery Voltage	2-18V
Lead-acid Battery	2/6/12V
Li-ion Battery (1-4S)	3.7/7.4/11.1/14.8V
LiFePO4 Battery (1-4S)	3.2/6.4/12.8V
Multi-module parallel	/
Led indicator	None

# Installation:

## ① >> 5 tips before connect battery equalizer

- ①. Fully charge the battery,it is important.
- ②. Using the same type of battery
- ③. Use batteries of the same old and new condition
- ④. Same battery capacity within the battery group
- ⑤. Voltage difference of each battery is less than 0.2V

## ② >> Proper use of plastic sheaths for wiring terminals

- ①. The red wire connect the positive pole of battery,the black wire connect the negative pole.
- ②. Connect the multiple batteries in the above manner.
- ③. Dispose unused battery wires to avoid short circuits.



Please read the instruction manual before installing the device! before connect the battery equalizer,please confirm the positive and negative poles of the battery pack to avoid the short circuit and reverse connection between the battery equalizer terminal.