

Battery Equalizer HC03

User Manual

APPLICATION

HC03 battery equalizer is used for the batteries which are connected in series to keep the voltage of batteries are equal when the batteries are charging or discharging. When the batteries work in series connection, the batteries voltage maybe will be not same due to the difference of each cell chemical composition and temperature. And each battery's self-discharge rate also different. So even the batteries not work, their voltage of series batteries will be also different. These differences will cause battery lost balance, this means maybe one battery is overloaded and the other is insufficiently charged. The voltage difference will be increased with the battery repeated charge-discharge process. This will result in premature failure of the batteries.

HC03 battery equalizer is energy transfer type equalizer, it can compensate for batteries with two sides. The equalizer starts to work when there are 10mV between two batteries. The current will flow from a higher voltage to low voltage, eventually reach equilibrium. It can connect with battery system with 24 hours, to keep the system energy balance automatically, no need manual maintenance.

HC03 battery equalizer is suitable for 5 x 12V batteries, classic design, Ultra-low standby power consumption, 80cm wiring with M8 battery terminals, easy for customers to install.

TECHNICAL DATA

Battery nominal voltage	5 × (7–18V)
Optimizing current	0–10A
Quiescent current	8mA(12V) LED OFF
Dimensions	62 × 153 × 27 mm
Protection	Reverse polarity protection
Under voltage lock out	1.8V

