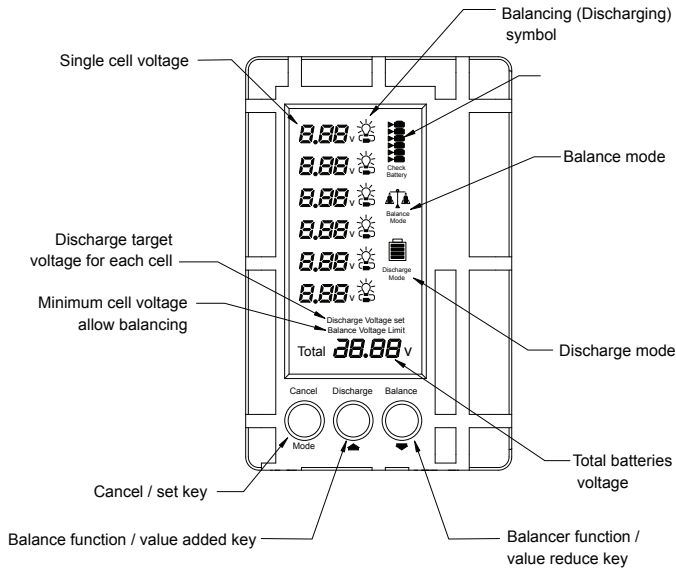
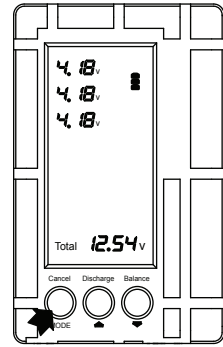


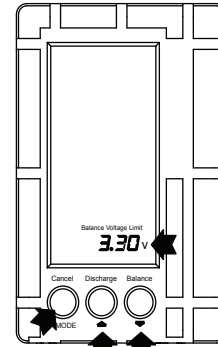
Li-Polymer / Li-Fe Battery Balancer



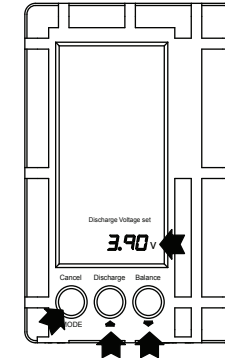
Balance / Discharge voltage setting method:



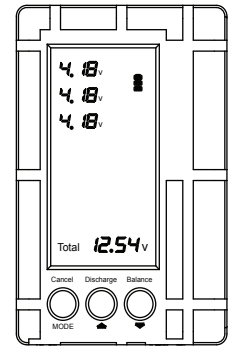
1. Under standard mode, Push Mode key to start setting mode.



2. First setting balance the lowest permitted voltage, battery must above the voltage, so it can execute balance function. Push ▲ or ▼ key, it can change voltage setting, after setting then push Mode key to discharge voltage setting (pre-setting value 3.3V, it just only fit for general Li-Polymer battery, about Li-Fe battery please inquiry battery supplier !)



3. While discharging the permitted lowest voltage generally be setted to battery stored voltage, the voltage value, please inquiry battery supplier. Pre-setting is 3.9V(it only fit for general Li-Polymer battery, about Li-Fe battery please inquiry battery supplier.) Push ▲ or ▼ key, it can change voltage setting, after setting push Mode key and return standard mode.



4. Back to standard mode.

P.S. During the setting procedure, if don't want to change the setting value, you can continue to push "Mode" Key to go on next setting mode or return standard mode. While setting the balance voltage or discharge voltage, please be aware not to set the voltage below the permitted lowest voltage, or you may damage the battery due to over-discharge. Please inquire the discharge cut-off voltage from battery supplier.

Balancer screen and key position drawing

Product instruction:

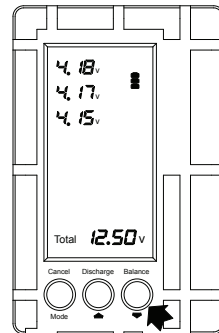
The Balancer / Discharger is designed for Li-Polymer and Li-Fe battery, it can measure battery voltage precisely and balance cell voltage in battery pack, or discharging battery for long time storage.

The balance function can be executed before / after battery charged. It also can be done during battery charging process. It makes sure battery pack keeping in excellent condition.

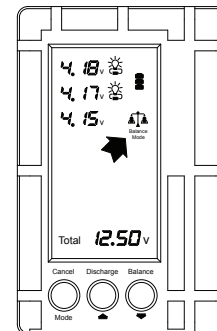
User could observe all cell voltage in whole battery pack at once. It helps user to find out which cell is abnormal during charging or discharging process.

Due to Li-polymer & Li-Fe battery are high energy density and high discharge ability storage, before using this equipment, you must be patient to study this instruction to keep from wrong operation or setting making battery damaged or other danger.

How start to balance battery?

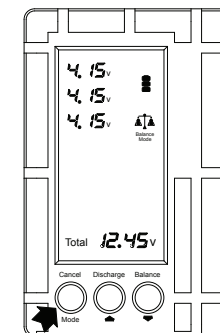


1. Push Balance key.



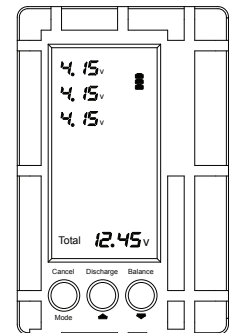
2. Balancer will take the present lowest voltage battery as a benchmark, start to balance action to battery cell.

They will show flash signal when batter cell working.



3. After balancing, symbol will disappear, then you can push Cancel key to quit balance mode.

P.S. In balancing , you can push Cancel key momentarily to break and back to standard mode.



4. Back to standard mode.

P.S. :After push Balance key, balancer will automatically catch the lowest single battery voltage as standard among battery cell and start to execute balance function. Until all battery cell voltage value are equal. (voltage tolerance $\pm 0.01V$ is equal, for example standard voltage 4.15V, after balancing the voltage maybe 4.14V or 4.16V)
The balancer can be used together with serial charger while charging, However, for safety reason, Please keep monitoring the vottage in screen, if the individual voltage looks abnormal or "Check Battery" is appeared, please stop charging immediately.