



# CHARGER BS6

## 2S – 6S LiPo Battery Saver manual

The Charger Battery Saver BS6 is a microprocessor controlled LiPo battery saver, the unit can detect each cell voltage in 2S-6S LiPo battery pack, during battery discharge, it can sound warning or LED warning while any cell voltage under setup value, and prevent any cell from over discharged.

Before flight, you can press the button for 3 seconds set up or check the warning cell voltage. Press button shortly change the warning cell voltage range from 3.0V-3.6V, the LED will flash, for example, if the 3.2V LED flash, it means the warning voltage is 3.2V, pressing the button for 3 seconds again confirm setup.

When finish setup, the unit will remember and recall the warning voltage next time.

The unit includes reverse polarity detection, and 2.54mm pin distance balance connector for all kinds of battery.

### Specifications:

- Battery range: 2S-6S LiPo battery pack
- Over discharge warning cell voltage: **3.0~3.6V** for LiPo battery
- accurate scope of the warning voltage: -10mV/+10mV
- Pins distance: 2.54mm
- Size: 33\*33\*10 ( L\*W\*T, mm)
- Weight: 10g
- Warning LED: 11000mCd, 30mA
- Warning beeper: 95dB @ 12V, 25mA
- Beeper wire: 300mm, beeper is welded on the saver directly for another version.
- LED wire: 300mm, LED is welded on the saver directly for another version.
- Package: transparent heat shrink tube



### Operating guideline

1. Connect the battery balance connector to BS6
2. The saver will initialize the beeper and all LEDs, beeper sounds once time, warning LED flash once time, and cell indicator (6 **RED** LEDs) will ON and then OFF, the number of "ON" LED indicates the cell number. For example there will be 4 LEDs ON for 4S battery.
3. 1 second later, only one LED is ON, the LED indicates the lowest voltage cell, for example, if third LED is ON, it means the third cell voltage is lowest in battery pack.
4. Pressing button for 3 seconds, you can check the current warning voltage, the flashing LED indicate the current warning voltage.

In flight, BS6 can alarm loudly and a large WANING RED LED flash in turn when any cell voltage under setup value, press the button stopping sound warning.