

iCharger User Calibration

The **iCharger** has been calibrated before entering to the markets, but if the users find that there is too much deviation, you can calibrate it as the following items:

These steps are suitable for 1010B+, 1010B, 106B+, 106B, 208B,306B and 3010B, but only useful for 3.09 version and further version in the future.

Max cell number:	3010B,1010B(+)	10s
	306B, 206B, 106B(+)	6s
	208B	8s

Before calibration, you need prepare:

- battery pack (the individual voltage should be near 4.2V)
- 4 +1/2 digit Digital Multimeter
- Steadily 12V input power supply

Calibrating steps:

1. Press <Stop><Dec><Inc><Start> these 4 buttons together, then electrify the **iCharger**; loose the buttons **immediately** when hearing the first of 4 beeps from the buzzer. The screen will show the normal charge display screen.

2. Connect the battery to the **iCharger** charging and the balance port.

3. Hold the <Stop> button for 3 seconds to enter the monitor interface. The screen will show Vi-Int_Tmp, Vo and Ext_Tmp.

4a. Press <Inc> button to choose your "need-to-be calibrated" voltage screen and the screen shown cell voltage in the form 4182 – meaning 4.182 V. Celle 1 to 6.

4b. To reach cell 7 to 10 press <Inc> before go to step 5

5. Then hold <Dec>< Inc ><Start> buttons together for 3 seconds to enter calibration state.

The "need-to-be calibrated" voltage begins to blink (the voltage value and the calibrate value showed on the screen alternatively). At this time, you can calibrate the **iCharger** by the value your digital multimeter reads, pressing <Inc> to increase and <Dec> to decrease. Allow a few seconds to stabilize.

Press <Start> shortly to switch to next cell.

Press <Stop> shortly to quit from calibration state. Go to step 4b to reach cell 7 to 10. Step 3 and 4 can be repeated several times to calibrate all the voltage.

6. Press <Stop> to quit.

Warning :

1. When calibrating, you need clear the voltage source.
2. Step 1 and 2 cannot be in reverse order.
3. If the user calibrates it in a wrong way, which damage the battery or cause other serious danger, our company will be of no responsibility.

Note:

"Vo" calibration

Use these 2 points of calibration method, to ensure voltage can be well calibrated :

- Connecting nS batteries, and calibrate "Vo" first. (1010B(+): n=10 106(+):n=6 208B:n=8)
- Then connection 3S(11-13V) batteries, and calibrate "Vo".