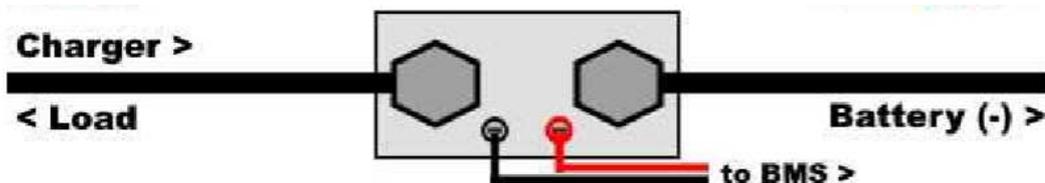
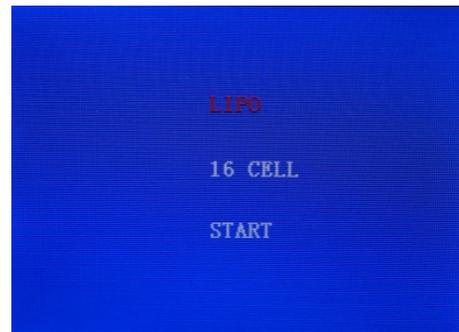


Installation Instructions for the Choice BMS System

1. Connect balance wire to each battery according to the cell connection diagram. Each battery voltage must be around 3.8V for lipo, 3.4V for LiFe or 2.3V for LiTo. Many cells can be connected in parallel but the voltage should be as one battery. Before plug to BMS main unit, measure each cell voltage on 9pin connector to confirm the cell balance wire connection is correct.
2. Connect LCD module to COM2 on BMS main unit with gray communication wire
3. Plug 9pin connector to BMS main unit
4. Move the power switcher to battery, LCD display BMS model, BMS LCD software version and serial number, then display battery type, and cell count, START button, choose correct battery type, cell count will be identified automatically (if cell count is wrong, please check balance wire connection), waiting for 8 seconds, BMS will start automatically. Or choose START, press START button, start BMS.
5. After start, press UP or DOWN button check if all cell voltage reading is correct or not, if not please check the 9pin wire connection
6. Connect beeper and LED to LCD unit
7. Connect temperature sensor to BMS main unit.
8. Connect Current shunt to battery negative and charger negative / load negative, red slim wire must be connected to battery negative terminal.



9. Connect current sensor to BMS main unit.
10. Connect Charge and Discharge relay to battery positive and charger positive or load positive
11. Connect relay controller to relay coil, then connect relay controller to BMS main unit. If each cell voltage is in normal scope without any warnings, the relay will be closed.

12. Press START button for 3 seconds, setup all parameters, detailed settings are on the manual.



13. Set balance is on, please check if the cell voltage difference is going down, for over 50AH battery, the changes are very slow. But if the main unit case is warm, it means the cells are balancing. Adding a cooling fan to the main unit can speed up the balancing.



14. Set accurate battery capacity, then charge or discharge the battery, the charged or discharged capacity must be 25% of battery capacity setting at least. The SOC will be calibrated automatically.

15. The BMS will work normally, monitor each battery voltage, charge or discharge current, temperature, SOC and so on.

