



EELBATTERY

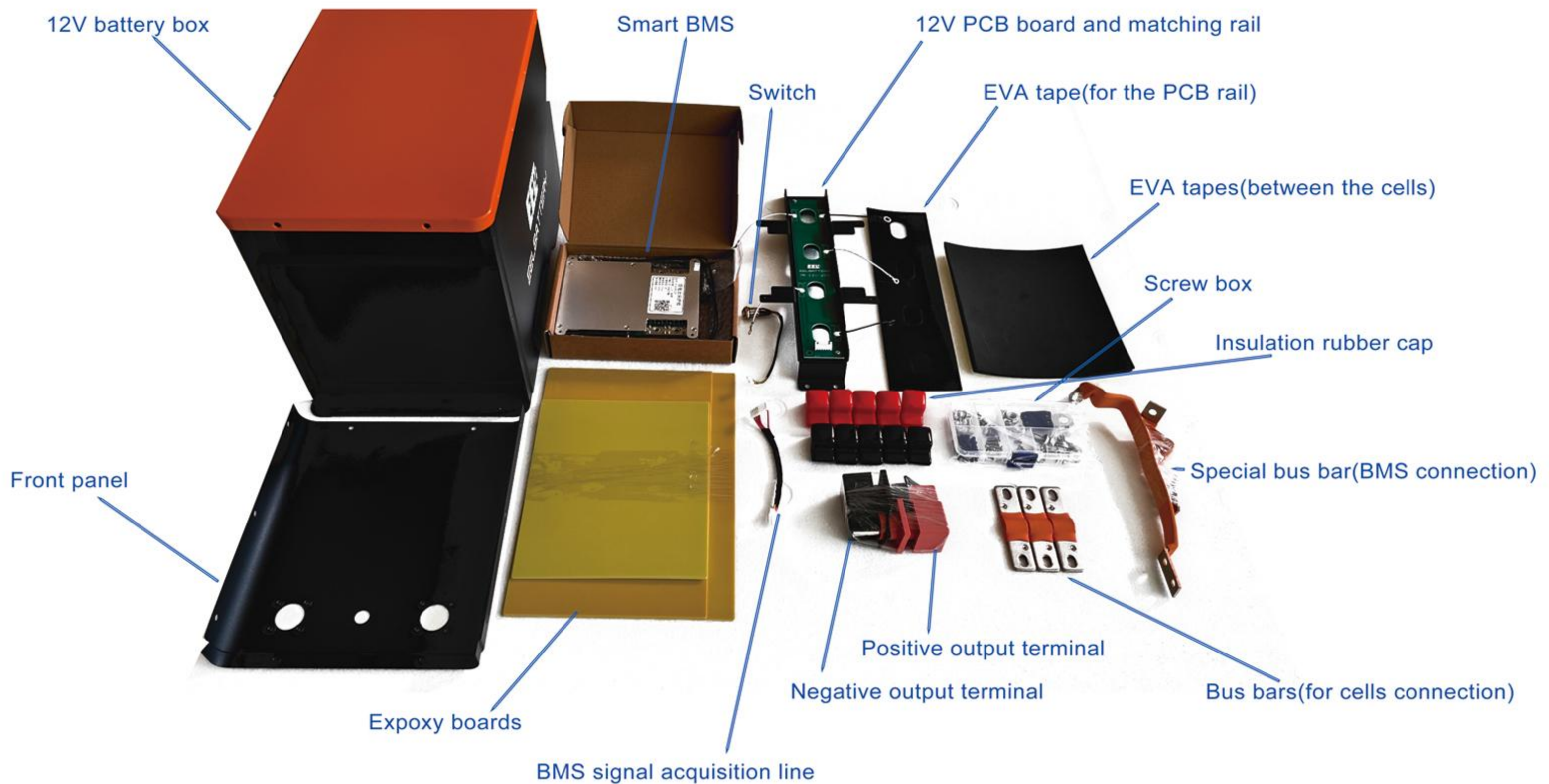
# EEL 12V JK BATTERY BOX

USER MANUAL



Shenzhen Eel Battery Co., Ltd.

# EEL 12V 4S JK DIY Battery Box



- 1\*12V metal battery box  
(box, top cover, baffle, side cover, PCB board mounting rail)
- 1\*B1A8S20P/B2A8S20P BMS (including 1 temperature sensor)
- 1\*screw accessory box
- 5\*black insulating rubber caps 5\*red insulating rubber caps
- 1\*output total positive terminal (including shell)
- 1\*output total negative terminal (including shell)
- 1\*weak current switch/1\* 3.2-inch color LCD display(With screen version)
- 1\*250A fuse
- 1\*EEL 12V pcb board 1\*signal acquisition line
- 3\*M6 double-hole flexible busbar
- 1\*customized flexible busbar combination (2 pieces in total)
- 2\*EVA cotton
- 5\*epoxy board (for cell spacing)
- 1\*side and bottom epoxy board combination (3 pieces in total)



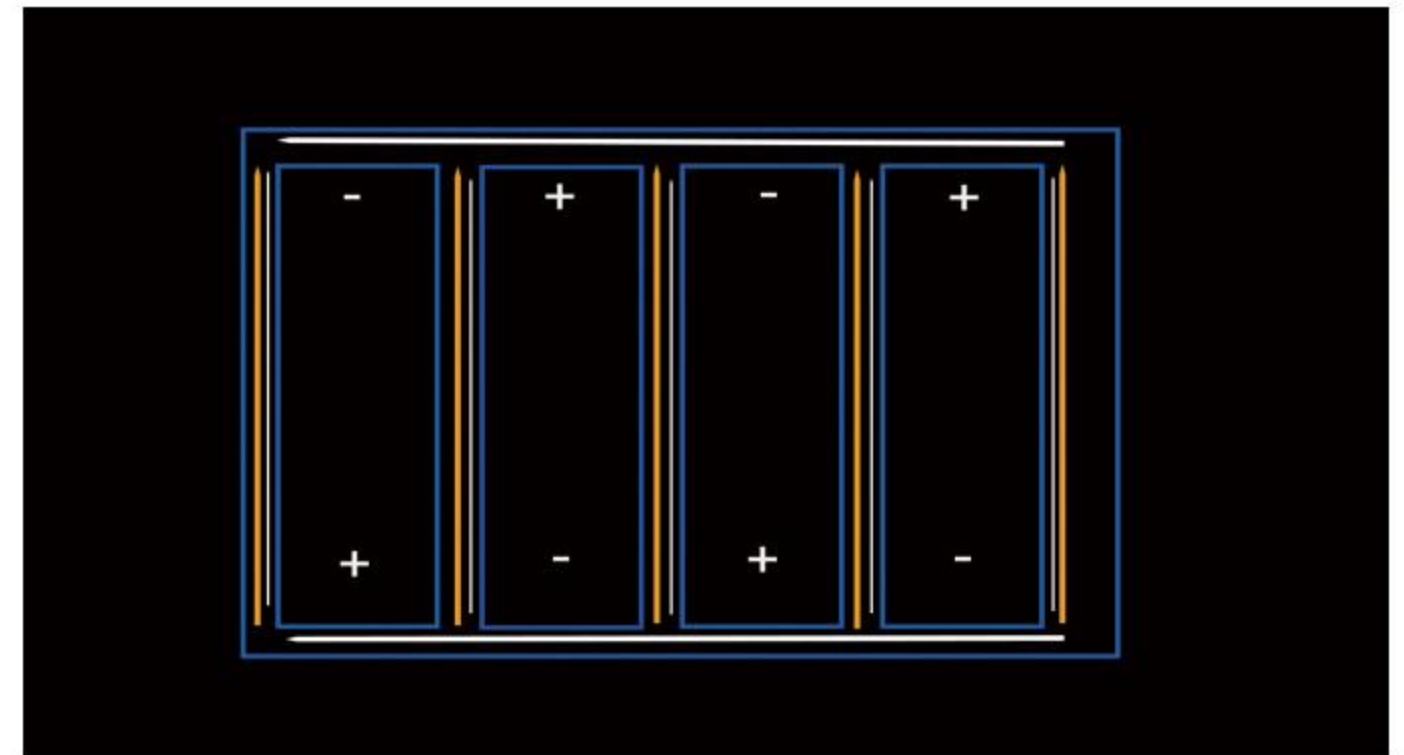
1. Paste epoxy sheets of corresponding sizes on the bottom and around the battery box.



2. Place the batteries in order.



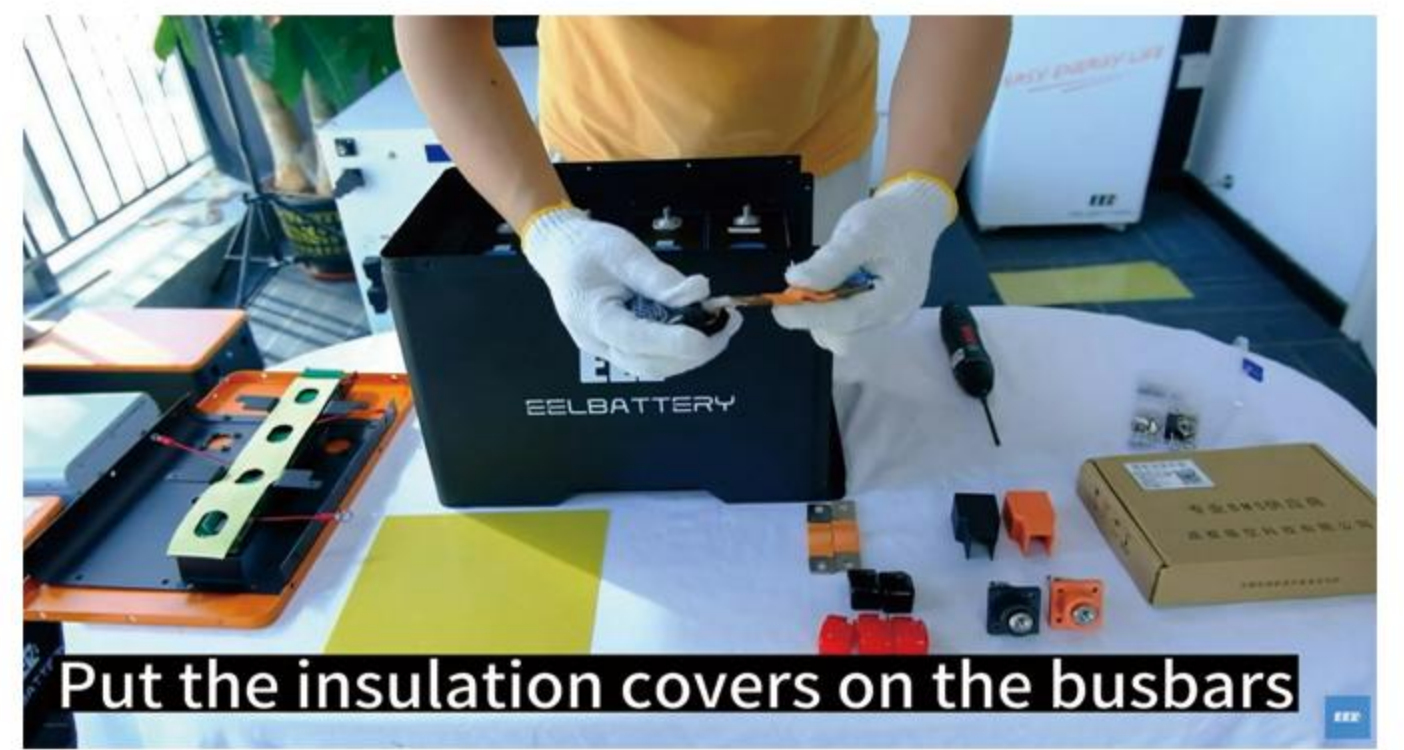
3. Place epoxy board and EVA sponge between the battery cells.



4. The correct placement method is shown in the figure.



5. Use M5 screws to install the front baffle and tighten it with 5NM torque.

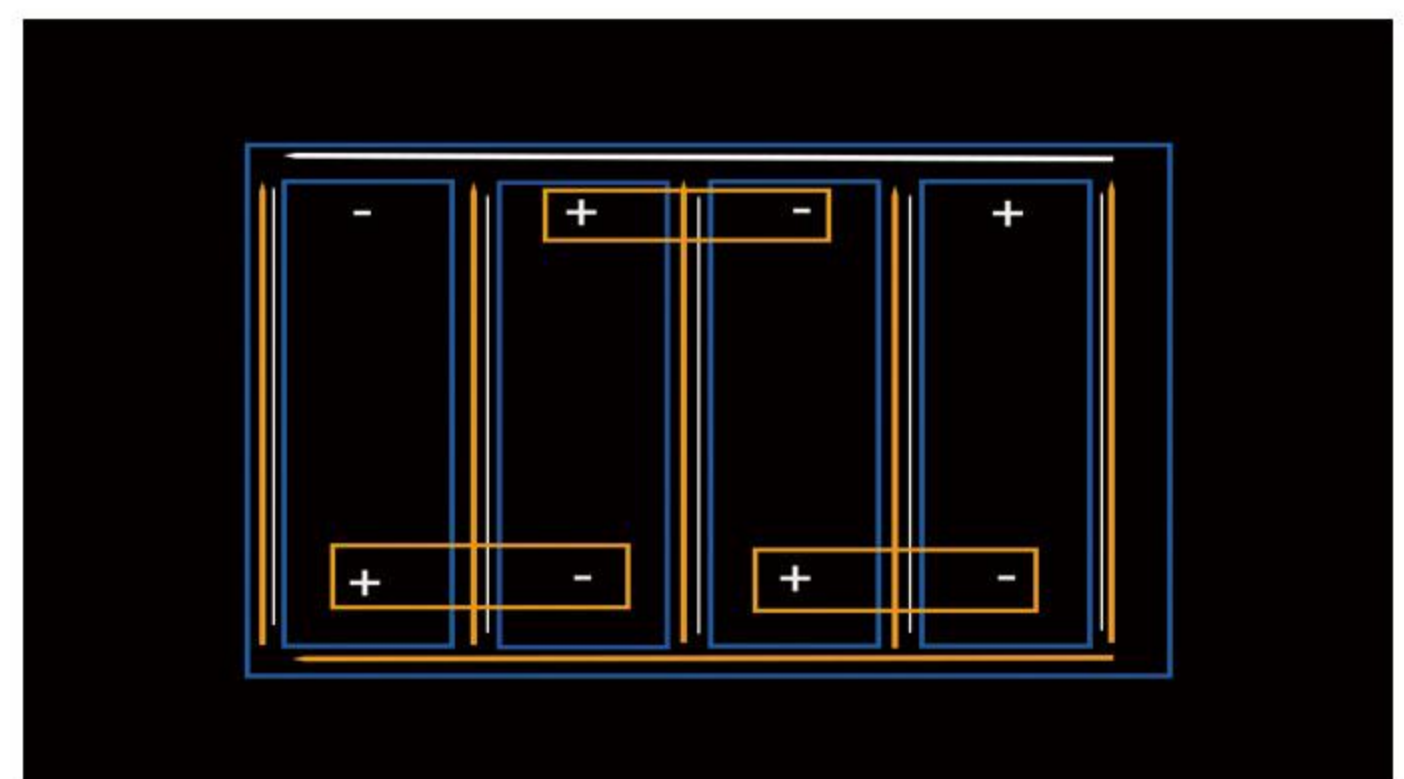


Put the insulation covers on the busbars

6. Put insulating rubber caps on both ends of the flexible copper busbar used for battery connection.



7. Place the busbars with rubber caps on the battery cells in order.



8. The correct placement order of the busbar is shown in the figure.



Fasten with M6 flange nuts

9. Lift one side of the insulating rubber cap by hand and screw the M6 nut onto the battery stud by hand.



10. Tighten the M6 nuts with a torque of 5 Nm.



**Stick the EVA tapes on the bracket**

11. Stick EVA sticky sponge on the bottom of the PCB rail.



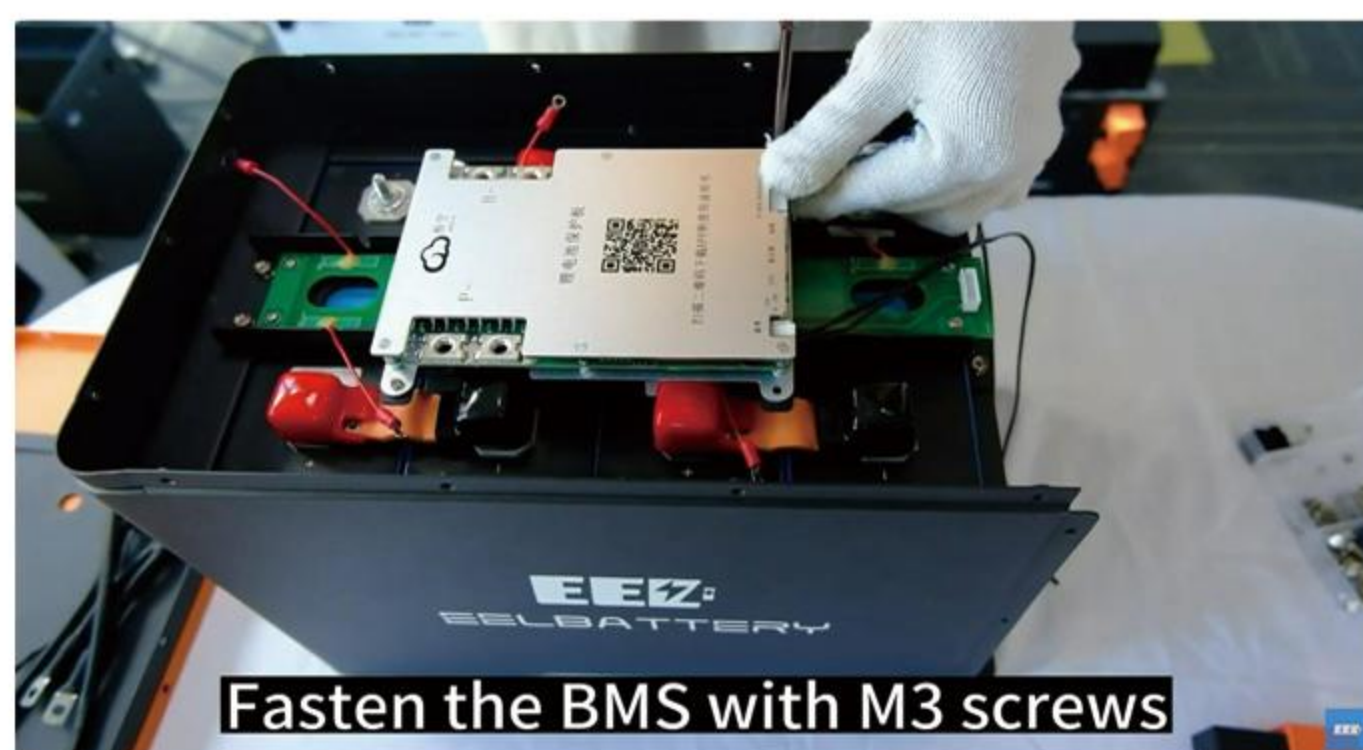
**Fasten with M4 screws**

12. Install the PCB to the upper part of the battery box and secure it with M4 screws.



**Fasten the PCB board with M3 screws**

13. Install the PCB board on the guide rail and fix it with M3 screws. Connect the signal acquisition line on the PCB to the corresponding busbar.



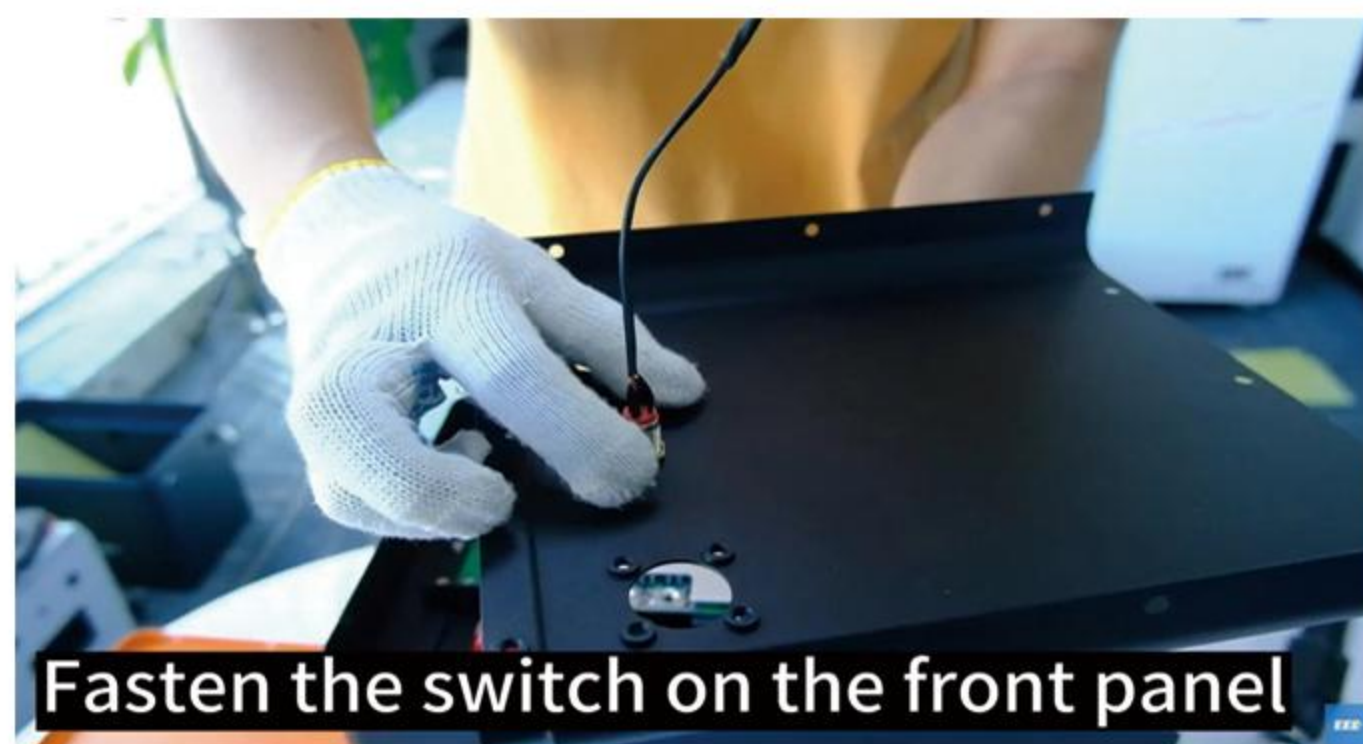
**Fasten the BMS with M3 screws**

14. Use M3 screws to install the BMS on the guide rail in the indicated direction.



**Battery switch**

15. Take out the switch wire from the package.



**Fasten the switch on the front panel**

16. Install the switch wires to the front panel.



**Fasten the front panel with M4 screws**

17. Use the black M4 screws to mount the front panel to the battery box.



**Fasten the terminals with M4 screws**

18. Use M4\*10 screws to install the two output terminals on the front panel.



19. Install the terminal housing onto the terminal.



20. Place the special flexible busbar shown in the figure at the designated position.



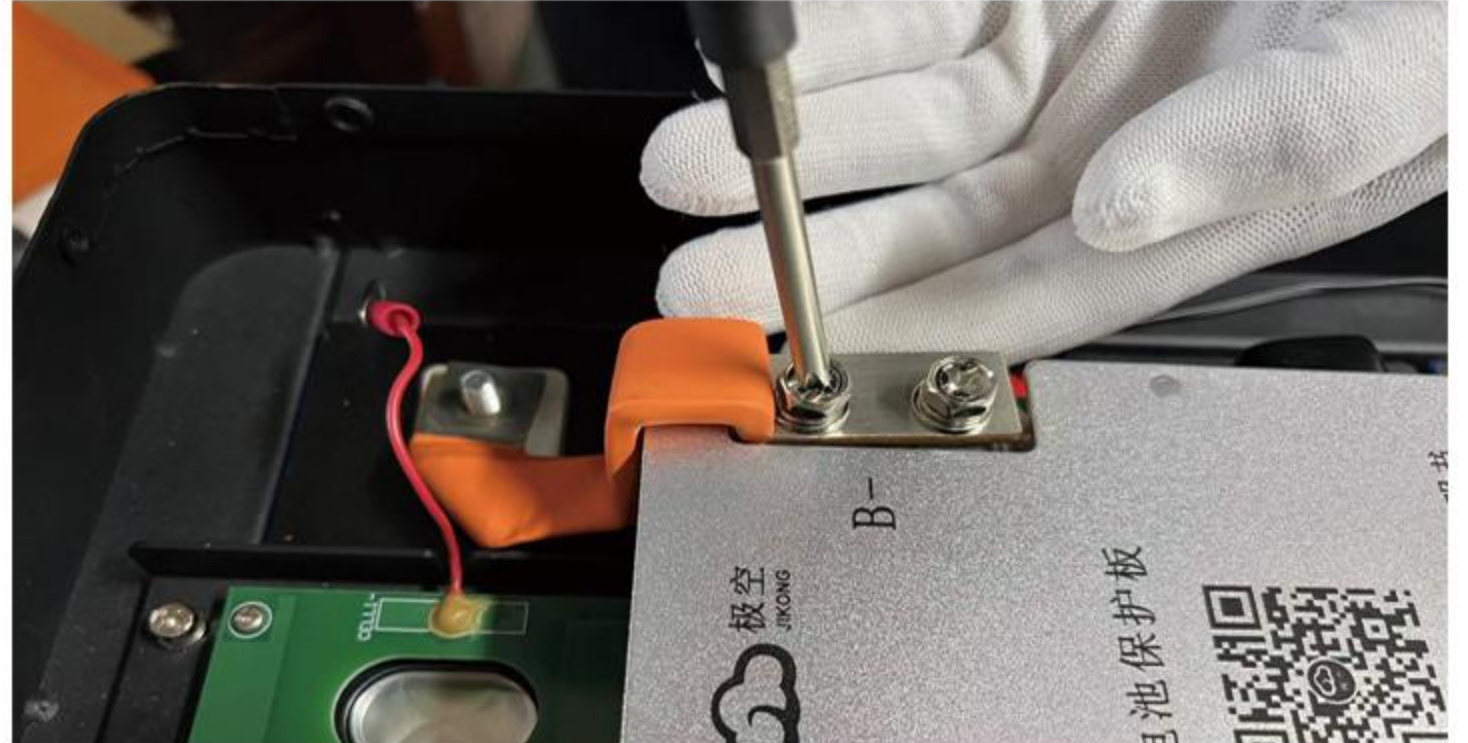
21. Adjust the torque wrench to 5NM



22. Tighten the screws with a torque of 5NM. Use M8 to connect the other end of the special busbar to the negative output terminal, and also tighten with a torque of 5NM.



23. Place another special flexible busbar as shown in the figure.



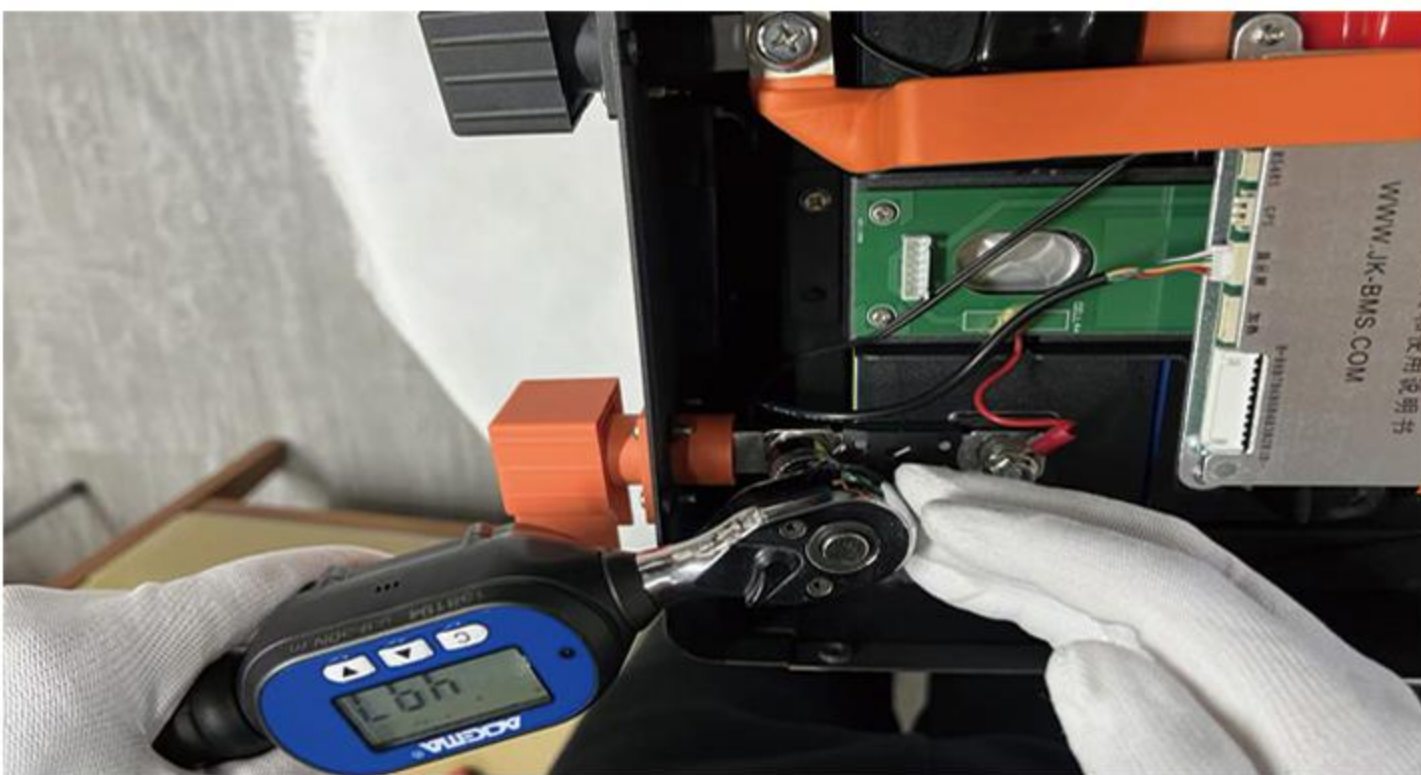
24. Use M6 screws to install the busbar to the BMS. Use M6 nuts to install the other end of the busbar and the BMS negative electrode sampling line to the total negative electrode of the battery.



25. Tighten the screws at both ends of the busbar using a torque of 5 Nm.



26. Take out the 250A fuse from the accessory box and connect the total positive pole of the battery and the positive output terminal.



27. Tighten the screws at both ends of the fuse with a torque of 5NM.



28. Connect the BMS sampling line to the corresponding port of BMS and plug in the switch line.



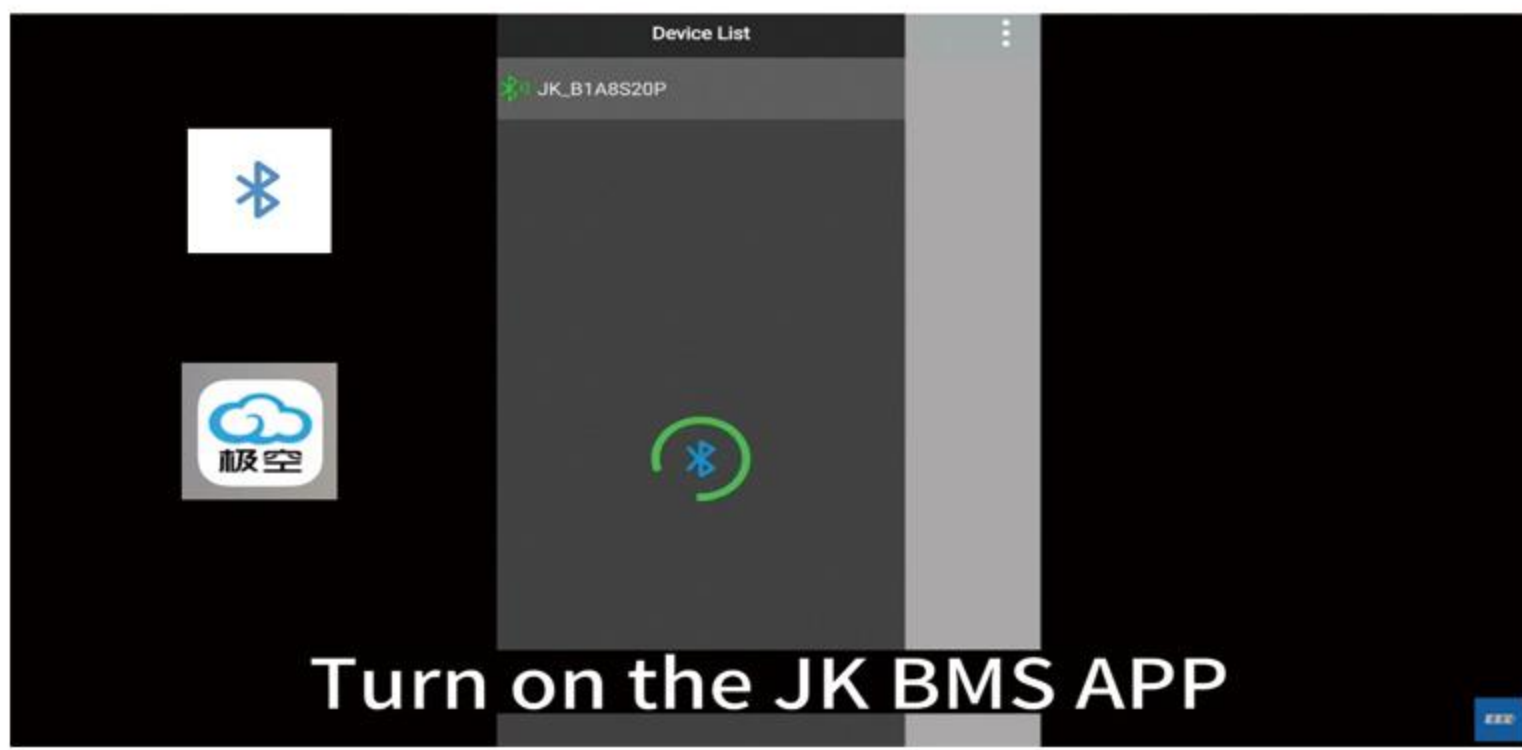
29. Plug the sensor plug into the BMS and place the temperature probe in a suitable place.



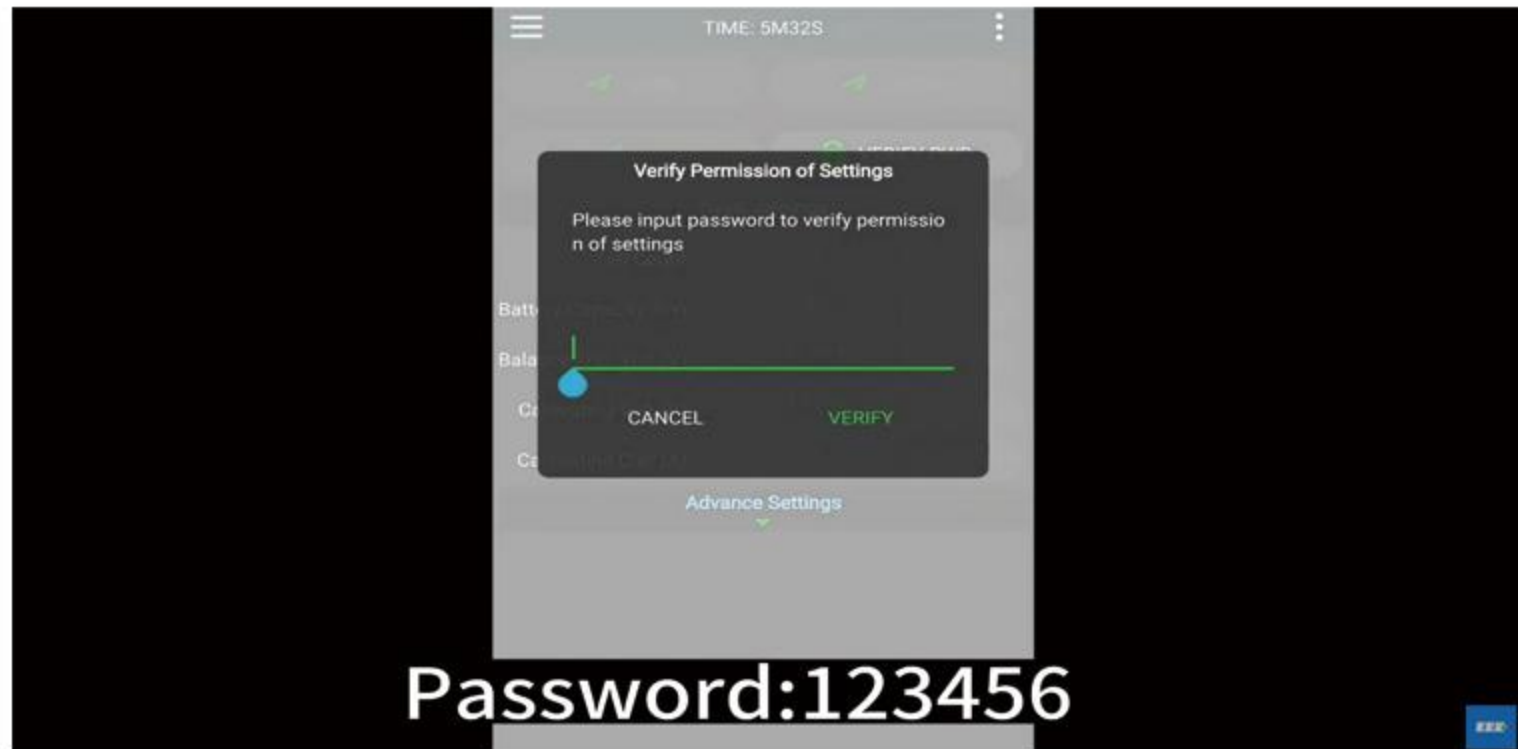
30. After confirming that everything is correct, close the top cover and secure it with black M4 screws.

# Battery Settings

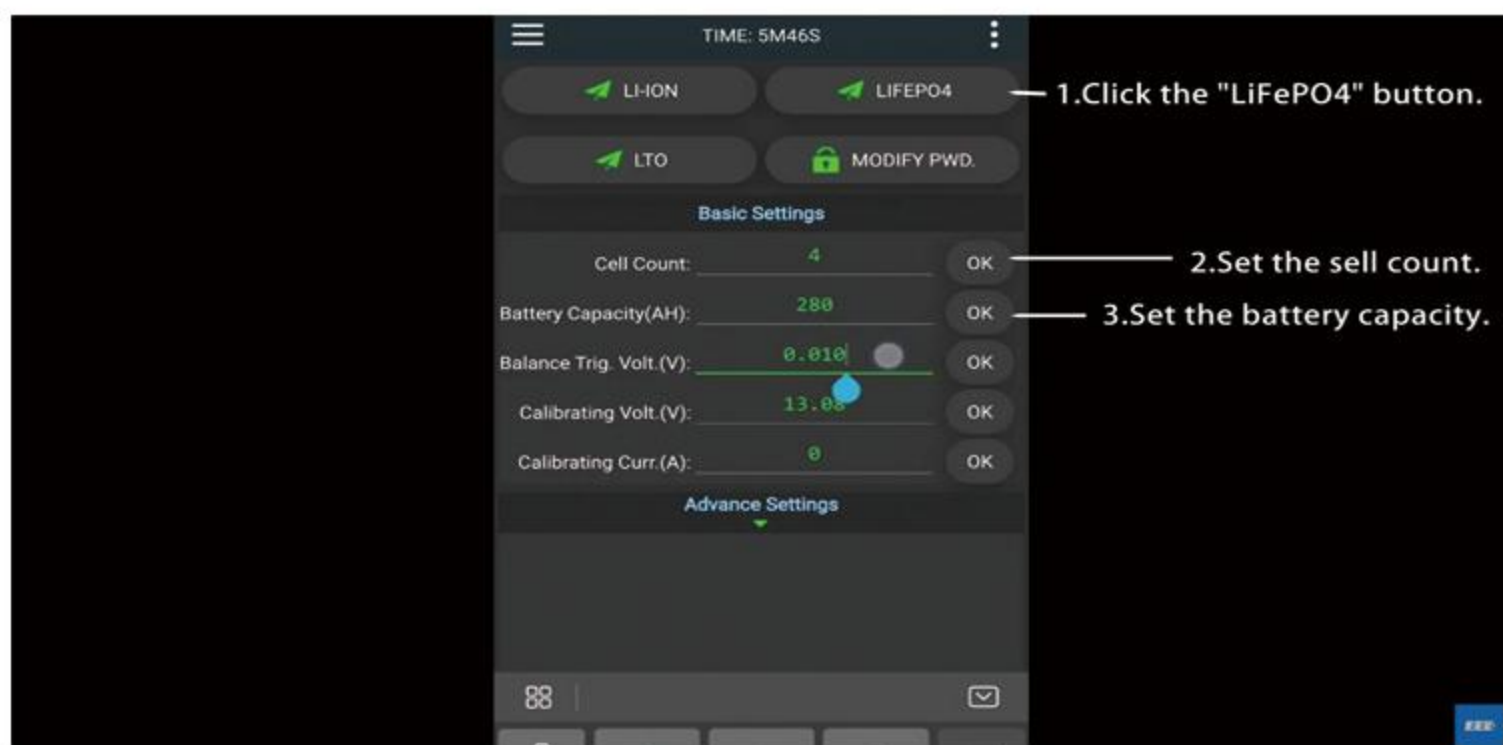
1. Turn on Bluetooth and JK BMS app on your phone, search and connect to the battery.



2. Enter the default authorization password: 123456 to unlock the permission to set parameters.



3. Follow the instructions to complete the parameter settings and save.



4. Press the button to turn off the battery.



Download the APP and manual

Shenzhen EEL Battery Co.,LTD

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Alibaba: [cneel.en.alibaba.com](http://cneel.en.alibaba.com)

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