

Typical assembly steps of Preferred battery packs

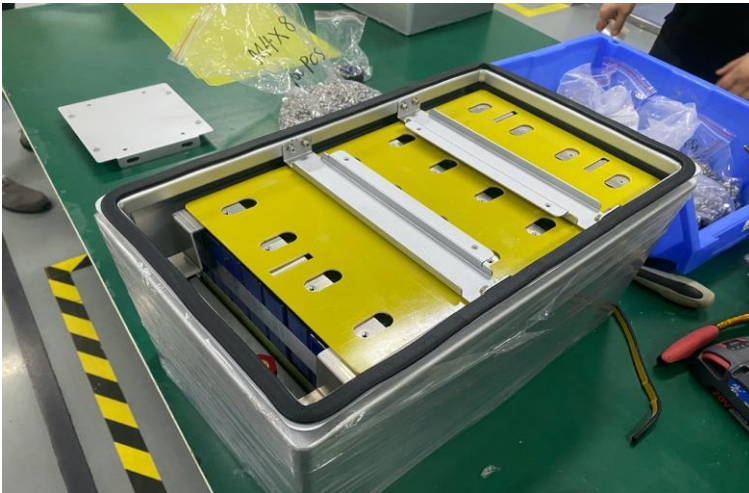
We use 3.2V100Ah LiFePO4 Aluminum case prismatic cells to build the entire battery module, which use aluminum busbars for cells connection. In order to make sure the reliability of connection, they have been processed with big power laser welding process, so they can withstand the large current conduction during the discharging and charging state.



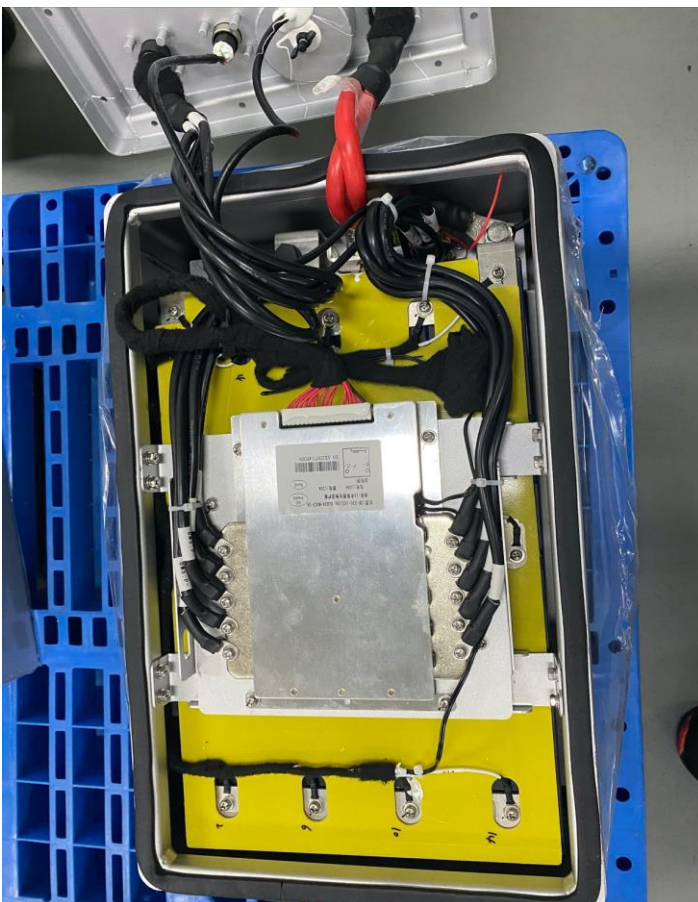
Then we put the entire module into aluminum case, inside the aluminum case here is a well designed frame that can exactly hold the battery module, module will also have the foam among them for vibration tolerance.



Then we put the isolation separator sheet above the module, and use the painted aluminum frame to fix the separator sheet.



After that, we install the PCB BMS on the aluminum metal frame, then connect the related cell volt wires and temperature sensor wires. Install the intelligent indicator, build the power cables and negative and positive poles, then cover the lid, entire pack can match IP66 level.



Inside battery pack here are is a slow fuse built inside, also here is a current sensor for the intelligent indicator.



The battery pack will be put into the carton box, with PE Foam designed to suit the battery pack, here some extra components like big bolts for terminals, they have been put into a small bag also put in carton box.

On the battery pack here is a QRcode that can be scanned by smartphone, which can open a webpage for download the datasheet and related operation files.



After packaged battery packs are waiting for the ship out.

