

Diy lithium iron phosphate battery

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„3.2V,3.6V~3.65V?,?????,...

I read on a website recently where someone stated that the Chinese had perfected the art form of lying. That's a stone cold fact. Dealing with Chinese companies, manufacturers and shippers and you can expect to wallow in the bullshit at least once. Enough of that.

I waited for about a couple of months before I got my batteries. This of course is in the midst of the Coronavirus pandemic. So I wasn't really disappointed in the shipping time. What I did mind was that when I received the batteries they were literally packed in a cardboard box with no cushioning and the box was bigger than the batteries inside. They came somewhat dented up but still safe to use. So right away I've spent \$500 and I get dented up stuff. If you know me I can't stand scratches and dents on my new stuff.

Secondly there is NO WAY these are new batteries. No way at all. You can tell they had been assembled in packs and the screw in terminals has one battery that you can barely get the threads to engage and hold on. I'm going to have to do a helical coil repair on it soon. It won't tolerate one or two more cycles. Also the black vinyl coating is peeling up on all corners. NOT BRAND NEW. So these people are full of shit. And they forgot to ship the busbars but they did refund the \$6 that they cost.

So while they are NOT brand new batteries and they don't seem to fully charge to 14.4 volts which is just a surface charge anyway they perform EXACTLY THE SAME AS MY TWO BATTLEBORN BATTERIES WHICH COST \$2000. On any given morning I wake up and my Battleborn batteries have 82% charge remaining.

On my Chinese cells the last 2 morning I woke up with 91% of charge. And before you say they are performing better I wasn't running my Alpicool Mini Fridge off of the Chinese batteries. Once you factor that draw in you realize the performance is about the same.

So am I pissed that I didn't get brand new cells that charge fully? Yes. I'm pissed. However I STILL GOT A BARGAIN. The batteries cost a fraction of the Battleborn's and they perform the same. Also I'm putting this rig in the camper and the way I use solar in the camper I WILL NEVER get close to battery depletion anyway.

So beware the Fucking Chinese.

Now to the build. I put 3M double sided tape between the batteries which holds amazingly well. Also since I didn't get busbars I made my own from 4 gauge cable and copper connectors. They turned out nicely.

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The black wire goes to the main negative. Also the blue wires on the BMS go to the main negative. The three white wires go in order to the 1st, 2nd, and 3rd battery positive. The red wire goes to the main positive. Then the battery can be connected to the 2 black wires on the BMS to the negative and the battery positive can be hooked to the main battery positive terminal.

Plug in the bluetooth, tape the temperature probe somewhere to the battery and then plug the BMS connector into the BMS board.

To connect to the BMS you need Android and a program you can get from Will Prowse's video. Check the links below his video here. Also his video shows the build in great detail. Better than this web page. Watch it and learn.

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