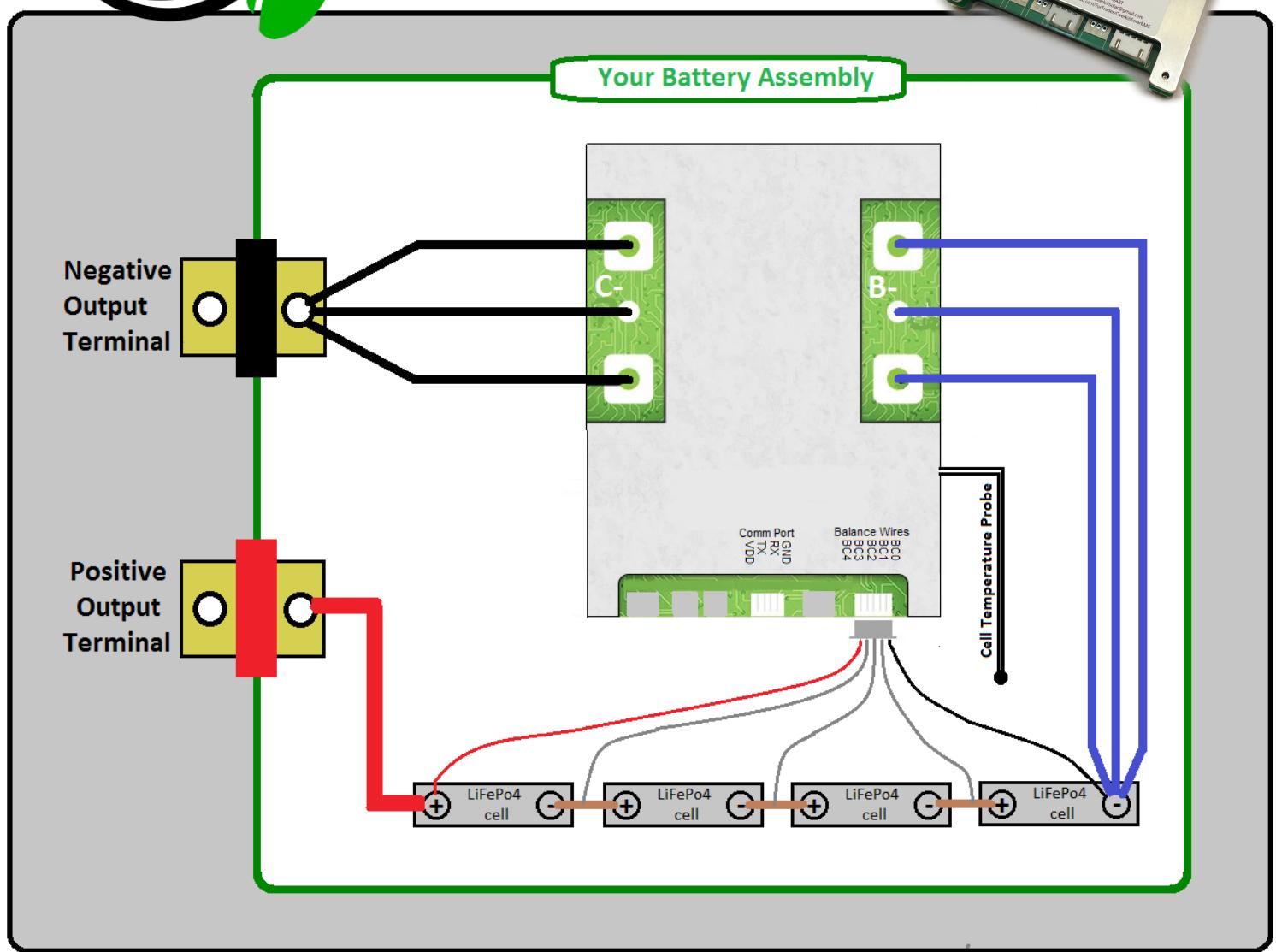




Battery Management System For 4 cell LiFePo4 Batteries. 120A continuous rated current.



Wiring Diagram: (Typical)



The BMS comes programmed for LiFePo4 cells.

All parameters can be adjusted.

Changing the parameters is potentially dangerous, proceed with caution!

To view or change Parameters, there are 3 ways to connect to the BMS.

1. Bluetooth module to IOS app. The app is on the Apple app store, it is free to view operational data, but costs \$6 to view and change parameters. Search for "xiaoxiang bms" (see other side)
2. Bluetooth module to Android app. This application is free.
3. USB module to PC/desktop application. This application is free.

Download link:



Downloads: <https://github.com/FurTrader/OverkillSolarBMS>

Email: OverkillSolar@gmail.com

Also check out the support forum at Reddit.com/r/OverkillSolarBMS

Unlimited Returns:
If you have any problems with this BMS, we will take it back.

Email:
OverkillSolar@gmail.com
 for tech support or advice.

If you need help I will help.

If it isn't working right I will replace it.

If it's totally fried I will refund your money.

This includes anything you did to break it.

Enjoy,
 Steve.

Email:
OverkillSolar@gmail.com

Please write a product review on Amazon!
 Include a photo of your finished battery,
 I would love to see it!

Protection Parameters Explained:

These are the adjustable battery protection settings, as shown in this iPhone screenshot. Notes are in RED

Verizon 1:06 PM 72%

xiaoxiang BMS

BMS read open configuration save configuration BMS write

First, press "BMS read" to download current settings from the BMS

Protection Type	Trigger Value	Release Value	Delay [s]	Description
Cell over voltage	3650 mV	3500 mV	2	Disconnects charging current if any cell voltage goes over the Trigger value. Reconnects when all cells drop below the Release value.
Cell under voltage	2500 mV	3000 mV	2	Cuts off discharging current if any cell voltage goes under the Trigger value. Reconnects when all cells rise above the Release value.
Batt over voltage	14600 mV	14000 mV	2	Cuts off charging current if entire pack goes over the Trigger value. Reconnects when pack drops below the Release value.
Batt under volt.	10000 mV	12000 mV	2	Cuts off discharging current if entire pack falls under the Trigger value. Reconnects when pack rises above the Release value.
Charge over curr.	130000 mA	32 s	10	Cuts off charging current if the current exceeds the trigger value, for [delay] seconds. Reconnects after [release value] seconds.
Discharge over curr.	130000 mA	32 s	10	Cuts off discharging current if the current exceeds the trigger value, for [delay] seconds. Reconnects after [release value] seconds.
Charge over temp	65 °C	55 °C	2	Cuts off charging current if the probe temperature exceeds the trigger value. Reconnects after temp drops below the release value.
Charge under temp	-1 °C	5 °C	2	Cuts off charging current if the probe temp drops below the trigger value. Reconnects after probe temp rises above the release value.
Discharge over temp	75 °C	70 °C	2	Cuts off discharging current if the probe temperature exceeds the trigger value. Reconnects after temp drops below the release value.
Discharge under temp	-10 °C	0 °C	2	Cuts off discharging current if the probe temp drops below the trigger value. Reconnects after probe temp rises above the release value.

App Settings BMS Settings Current Cal. Voltage Cal. Notifications