



1, Make B1-, B2-, B3- connect with battery pack A0 port by cable, we suggest attaching a ring to the terminal of cable which should be capable to load the required current also. And then use screw to fit cable with B1-, B2-, B3-. The three cable from B1-, B2-, B3- should joint into one and weld to the A0 point of battery pack (means the negative of the first cell of the battery pack). 2, use the same way to connect P1-, P2-, P3-. make them into one as the negative terminal of the discharge and charge of the battery pack. 3, Basic on the diagram, make connectors from " 0,1,2...to 20" connected to battery point "0 to 20" with the small wires (Cells Balance sensor wires) we provide (all wires should be same length to keep internal resistance of sensor wire same). Make sure match number as the diagram show. The order can not be changed! Also make sure the soldering iron have a ground wire and connect properly. It should avoid creepage and static electricity otherwise there will be opportunity to make permanent destroy the BMS. 4, solder positive input wire for Main control module to the 20 point of the battery pack (means the positive of the 20th cell). Meanwhile make cable which can load the max discharge current connected to 20 point as the positive connector for charge and discharge of the battery pack.

Notice:

Note;

1. Make sure all connections and wires are sized correctly to handle the current. Make sure the voltage drop across all connections between the cells are approximately the same. **Please refer to American Wire Gauge.** Don't use a fuse between the cells or in the sensor wires.
2. Keep the BMS well ventilated.
3. Do not mount it on flammable material.
4. The maximum operating temperature of the BMS is 85°C. 185°F

FAQ:

1) Which is the 1st cell?

A: The 1st cell is the one on the far right in the diagram. It's the same cell to which you connect B1- B2- B3- of the BMS. "B1- B2- B3-" are a function group. They work together as one to support high current steadily.

2) Is sensor wire 0 the one on the far right on diagram above?

A: Yes, It's the wire we mark "0". It's the only sensor wire which connects to the negative terminal.

3) Does Positive discharge wire comes off of last cell's positive post?

A: Yes.

4) Can Charge and Discharge share the same positive wire?

Yes, If it's not convenient for your application, you can connect two wires to the positive side of the last cell. One as the positive connection to the Controller and the other one as the positive connection to Battery Charger.

5) Can Charge and Discharge share the same negative wire?

Yes, also this BMS will support electric regeneration function.

6) Is 'P1- P2- P3-' the negative connection to the charger and also to power controller?

Yes, 'P1- P2- P3-' are a function group. They work together as one to support high current steadily.

7) If you do not COMPLETELY understand all of the above, STOP, before you damage your BMS, Battery or Controller. Get help from a knowledgeable person.