

```
B13 and B14 signal all connect to the positive of cell 13
B12 and B14 signal all connect to the positive of cell 12
B11 and B14 signal all connect to the positive of cell 11
B10 and B14 signal all connect to the positive of cell 10
  B9 and B14 signal all connect to the positive of cell 9
  B8 and B14 signal all connect to the positive of cell 8
  B7 and B14 signal all connect to the positive of cell 7
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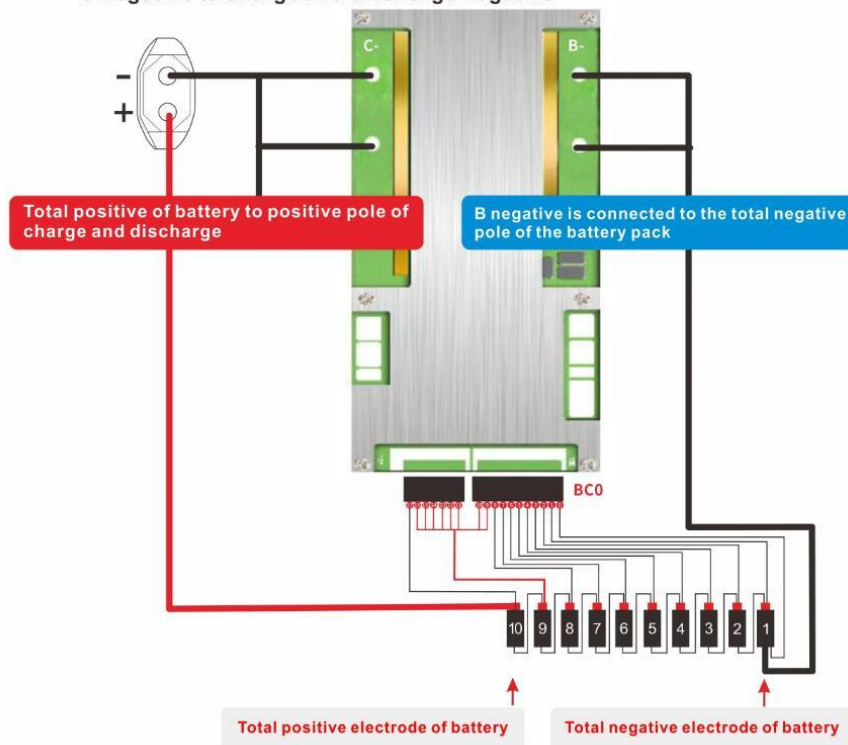
Schemat podłączenia do SMART BMS 10-17S:

10S,

10String cable shorting method

1. Preparation. The balance wire must be soldered to the battery pack first, and then plugged into the bms after checking it correctly. You can't plug the balance wires into the bms and then solder them to the battery pack one by one.
2. When wiring, connect B negative first, then connect the cable, and finally connect C negative to the negative pole of the charger and the load. The battery is always connected to the charger and battery.
3. Starting from the 10th wire of the balance wire, connect the 10th to 17th wires to the positive pole of the 9th battery string of the battery pack, and the 18th wire to the total positive pole of the battery (that is, the 10th battery positive pole).

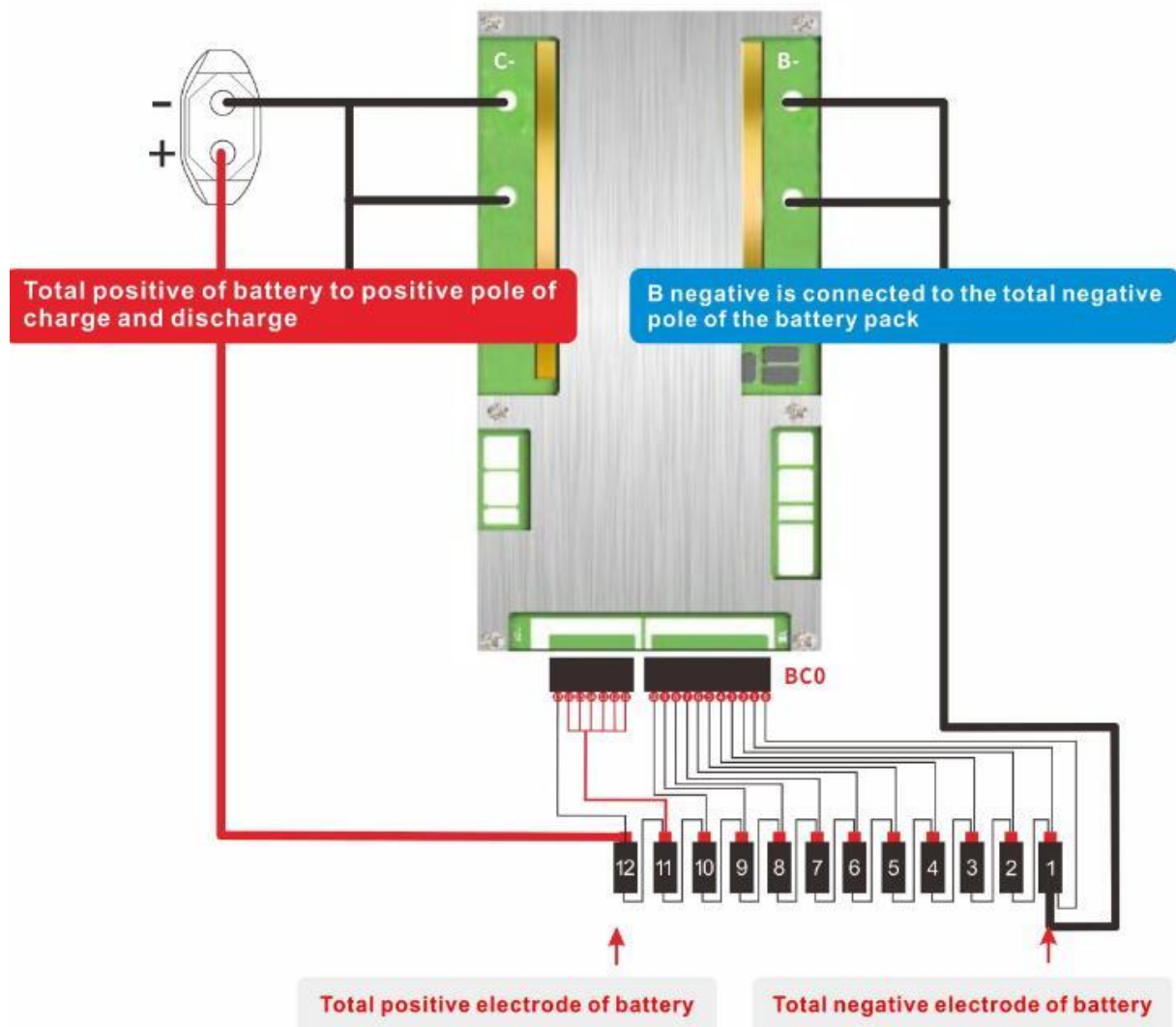
C negative to charge and discharge negative



12String cable shorting method

1. Preparation. The balance wire must be soldered to the battery pack first, and then plugged into the bms after checking it correctly. You can't plug the balance wires into the bms and then solder them to the battery pack one by one.
2. When wiring, connect B negative first, then connect the cable, and finally connect C negative to the negative pole of the charger and the load. The battery is always connected to the charger and battery.
3. Starting from the 12th wire of the balance wire, connect the 12th to 17th wires to the positive pole of the 11th battery string of the battery pack, and the 18th wire to the total positive pole of the battery (that is, the 12th battery positive pole)

C negative to charge and discharge negative

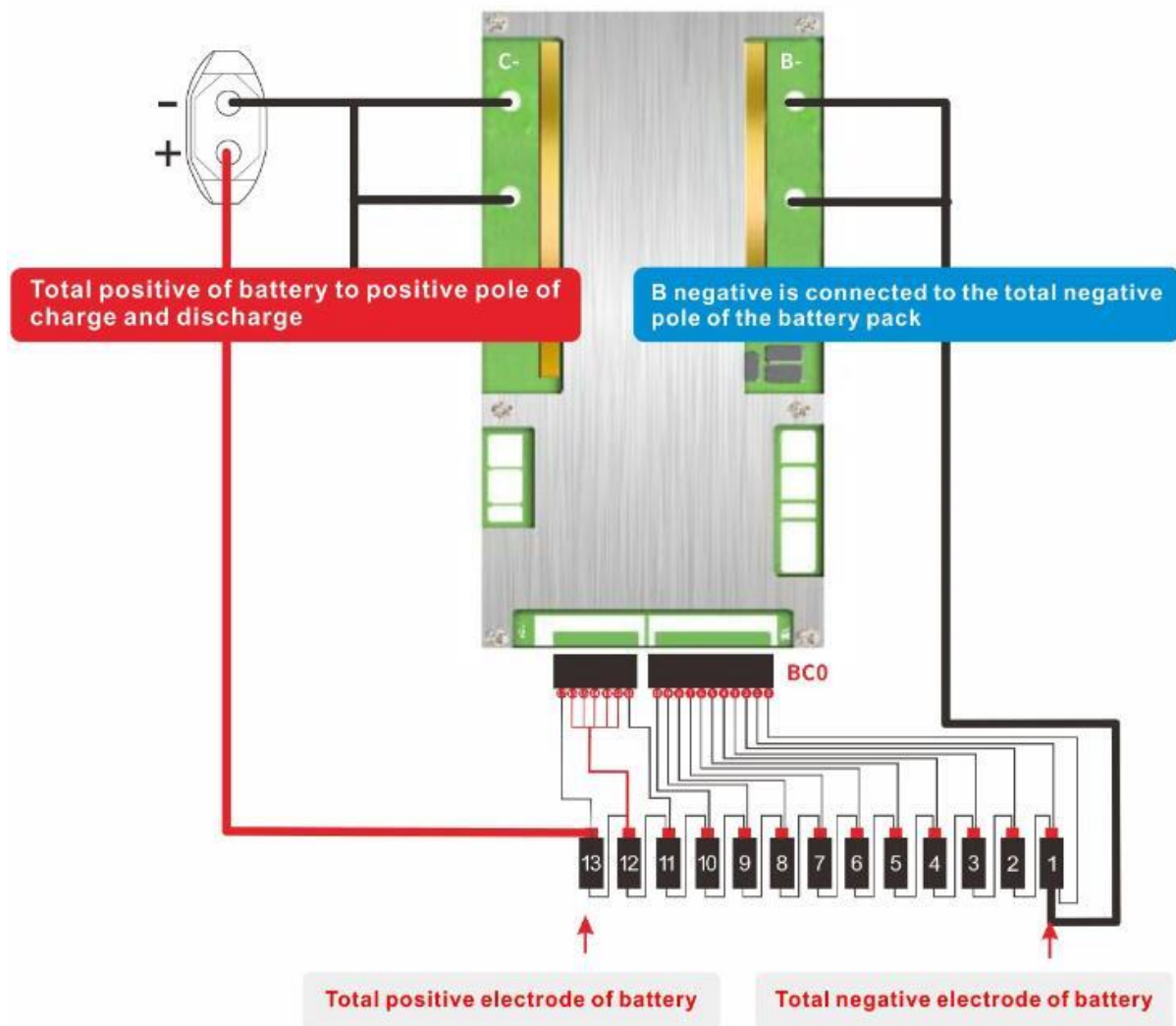


13S,

13String cable shorting method

1. Preparation. The balance wire must be soldered to the battery pack first, and then plugged into the bms after checking it correctly. You can't plug the balance wires into the bms and then solder them to the battery pack one by one.
2. When wiring, connect B negative first, then connect the cable, and finally connect C negative to the negative pole of the charger and the load. The battery is always connected to the charger and battery.
3. Starting from the 13th wire of the balance wire, connect the 13th to 17th wires to the positive pole of the 12th battery string of the battery pack, and the 18th wire to the total positive pole of the battery (that is, the 13th battery positive pole)

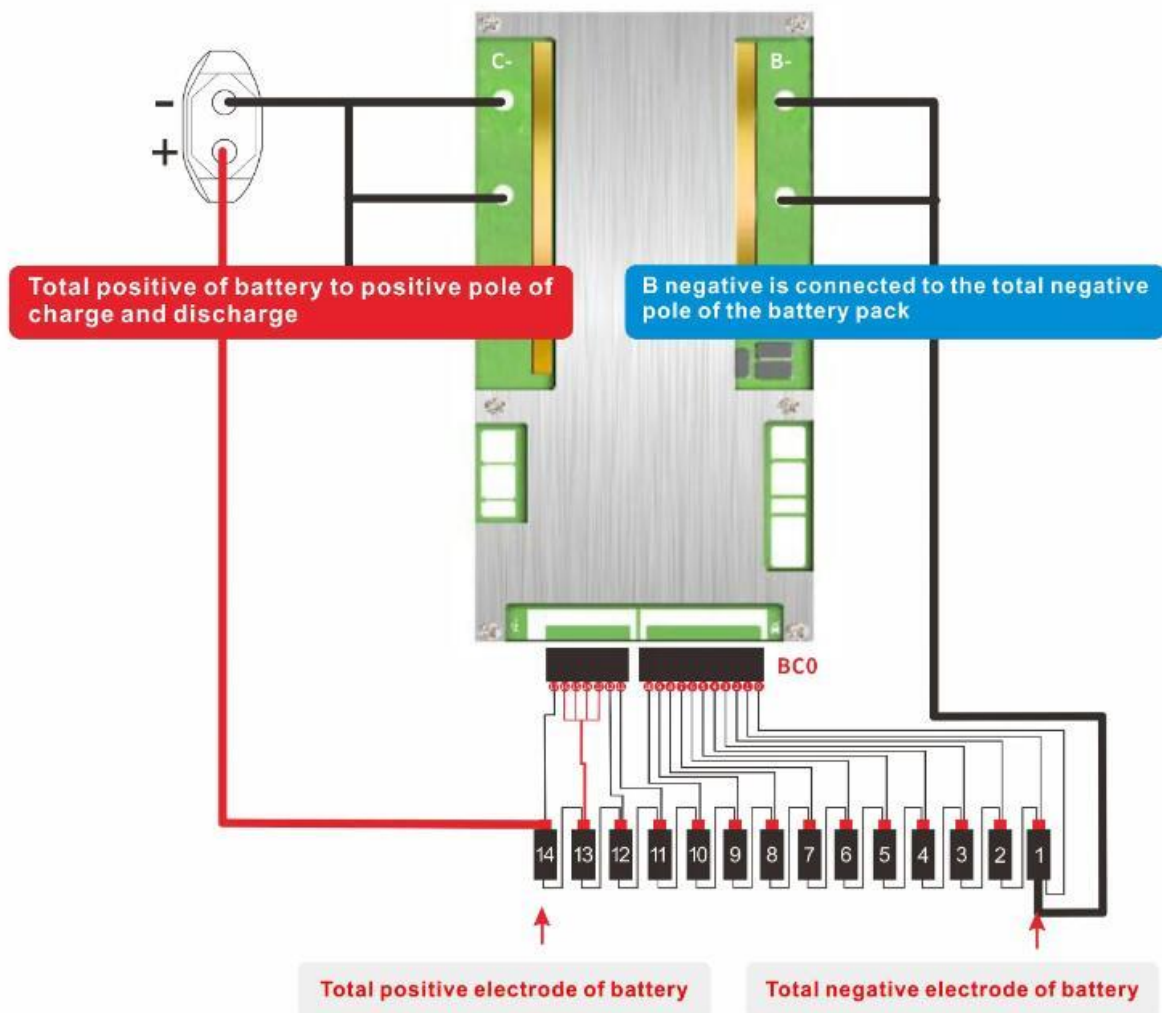
C negative to charge and discharge negative



14String cable shorting method

1. Preparation. The balance wire must be soldered to the battery pack first, and then plugged into the bms after checking it correctly. You can't plug the balance wires into the bms and then solder them to the battery pack one by one.
2. When wiring, connect B negative first, then connect the cable, and finally connect C negative to the negative pole of the charger and the load. The battery is always connected to the charger and battery.
3. Starting from the 14th wire of the balance wire, connect the 14th to 17th wires to the positive pole of the 13th battery string of the battery pack, and the 18th wire to the total positive pole of the battery (that is, the 14th battery positive pole)

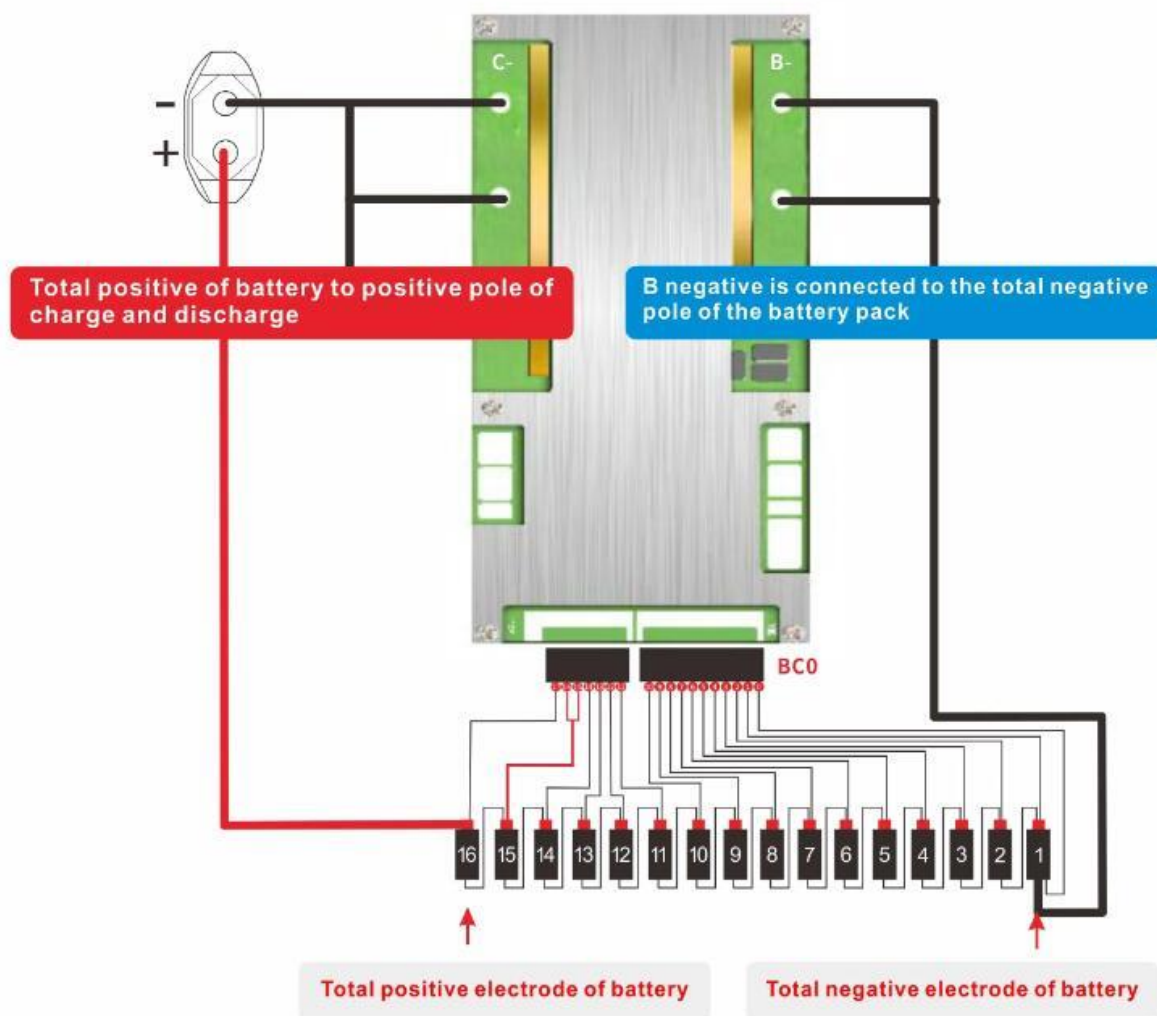
C negative to charge and discharge negative



16String cable shorting method

1. Preparation. The balance wire must be soldered to the battery pack first, and then plugged into the bms after checking it correctly. You can't plug the balance wires into the bms and then solder them to the battery pack one by one.
2. When wiring, connect B negative first, then connect the cable, and finally connect C negative to the negative pole of the charger and the load. The battery is always connected to the charger and battery.
3. Starting from the 16th wire of the balance wire, connect the 16th to 17th wires to the positive pole of the 15th battery string of the battery pack, and the 18th wire to the total positive pole of the battery (that is, the 16th battery positive pole)

C negative to charge and discharge negative

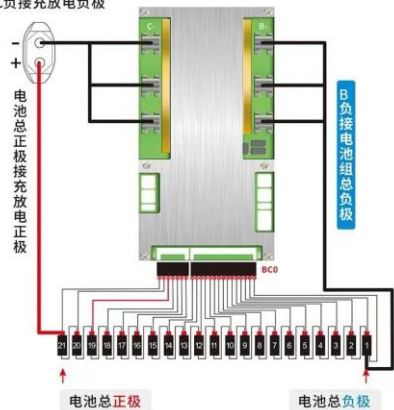


AP21S001接线图

21串排线短接方法

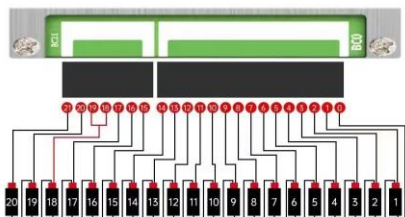
- 1、准备工作。必须先把排线焊接在电池组上,检查正确后再插到保护板上。不能把排线插到保护板上再一根一根焊在电池组上。
- 2、接线时先接B负再接排线,最后接C负到充电器和负载的负极,电池总正接充电器和电池的正极。
- 3、从板上第1根排线开始,把第1~21根接到对应电池组正极,第21串排线接电池总正极(即第21串电池正极)。

C负接充电负极



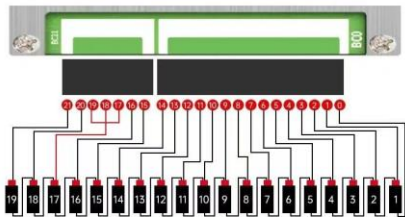
20串排线短接方法

从板上第19根排线开始,把第19~20根接到电池组第18串电池正极,第21根排线接第19串电池的正极,第22根排线接电池总正极(即第20串电池正极)



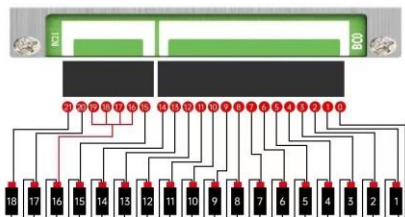
19串排线短接方法

从板上第18根排线开始,把第18~20根接到电池组第17串电池正极,第21根排线接第18串电池的正极,第22根排线接电池总正极(即第19串电池正极)。



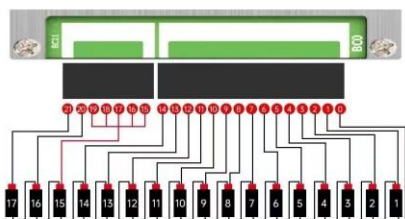
18串排线短接方法

从板上第17根排线开始,把第17~20根线接到电池组第16串电池正极,第21根排线接第17串电池的正极,第22根排线接电池总正极(即第18串电池正极)。



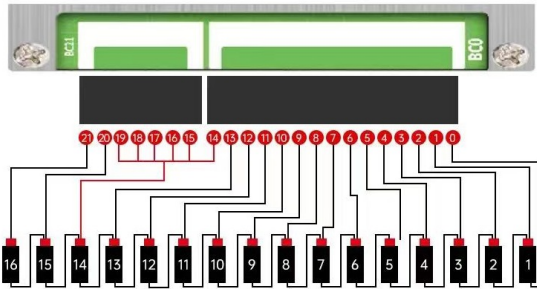
17串排线短接方法

从板上第16根排线开始,把第16~20根线接到电池组第15串电池正极,第21根排线接第16串电池的正极,第22根排线接电池总正极(即第17串电池正极)。



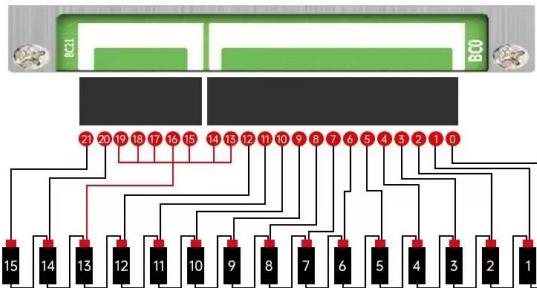
16串排线短接方法

从板子上第15根排线开始,把第15~20根线接到电池组第14串电池正极
第21根排线接第15串电池的正极,第22根排线接电池总正极(即第16串电池正极)



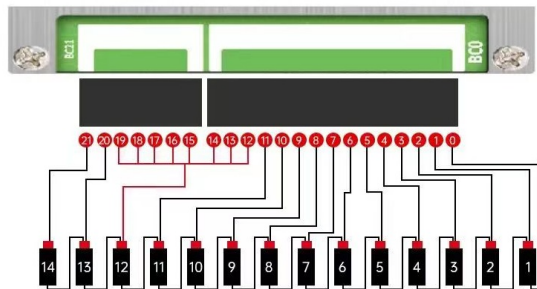
15串排线短接方法

从板子上第14根排线开始,把第14~20根线接到电池组第13串电池正极
第21根排线接第14串电池的正极,第22根排线接电池总正极(即第15串电池正极)。



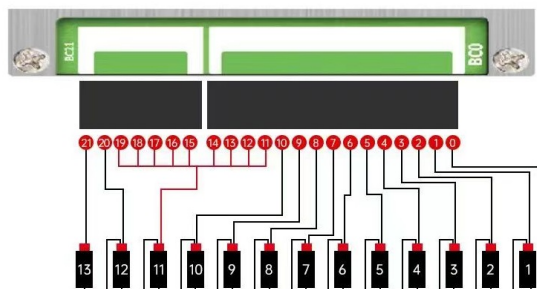
14串排线短接方法

从板子上第13根排线开始,把第13~20根线接到电池组第12串电池正极
第21根排线接第13串电池的正极,第22根排线接电池总正极(即第14串电池正极)。



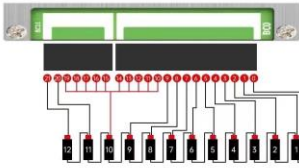
13串排线短接方法

从板子上第12根排线开始,把第12~20根线接到电池组第11串电池正极
第21根排线接第12串电池的正极,第22根排线接电池总正极(即第13串电池正极)。



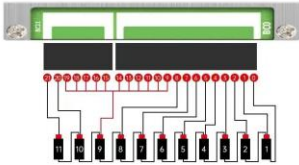
12串排线短接方法

从板子上第11根排线开始,把第11~20根线接到电池组第10串电池正极
第21根排线接第11串电池的正极,第22根排线接电池总正极(即第12串
电池正极)。



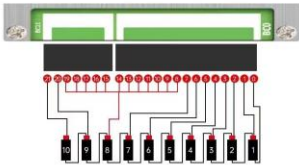
11串排线短接方法

从板子上第10根排线开始,把第10~20根线接到电池组第9串电池正极
第21根排线接第10串电池的正极,第22根排线接电池总正极(即第11
串电池正极)。



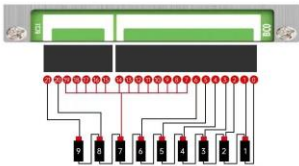
10串排线短接方法

从板子上第9根排线开始,把第9~20根线接到电池组第8串电池正极
第21根排线接第9串电池的正极,第22根排线接电池总正极(即第10
串电池正极)。



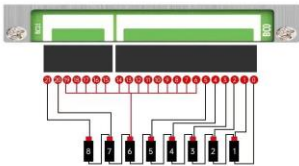
9串排线短接方法

从板子上第8根排线开始,把第8~20根线接到电池组第7串电池正极
第21根排线接第8串电池的正极,第22根排线接电池总正极(即第9
串电池正极)。



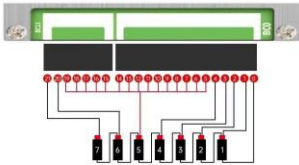
8串排线短接方法

从板子上第7根排线开始,把第7~20根线接到电池组第6串电池正极
第21根排线接第7串电池的正极,第22根排线接电池总正极(即第8
串电池正极)。



7串排线短接方法

从板子上第6根排线开始,把第6~20根线接到电池组第5串电池正极
第21根排线接第6串电池的正极,第22根排线接电池总正极(即第7
串电池正极)。



6串排线短接方法

从板子上第5根排线开始,把第5~20根线接到电池组第4串电池正极
第21根排线接第5串电池的正极,第22根排线接电池总正极(即第6
串电池正极)。

