东莞市达锂电子有限公司
Dongguan DALY Electronics Co., Ltd.

DALY Hardware Active Balance Module Instruction

1、Product catalog

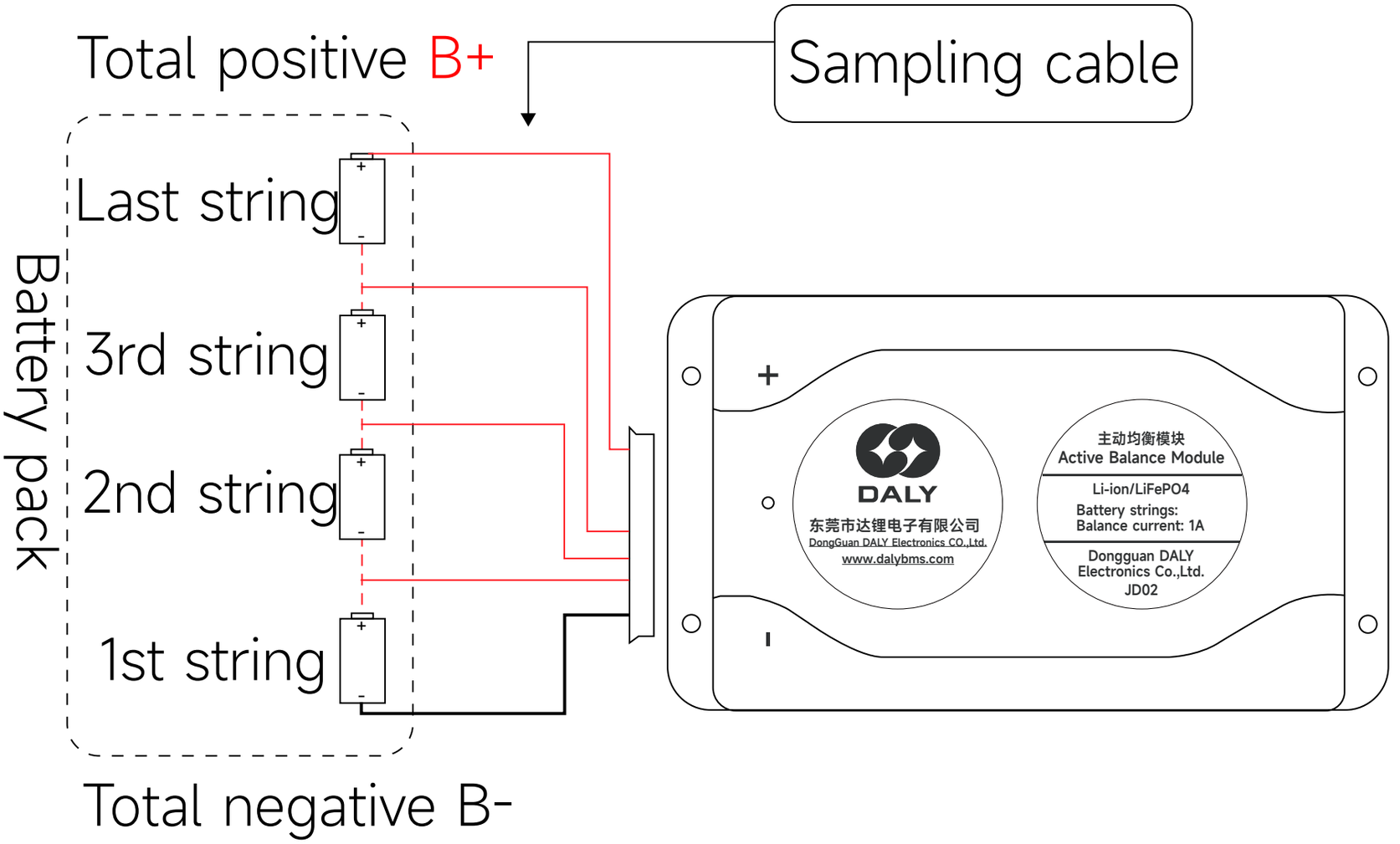
Hardware Active Balance Module Selection			
Product name	1A hardware active balance module		
Product photo			
Strings	3~4S	5~10S	11~16S
Balance current	≤1A	≤1A	≤1A

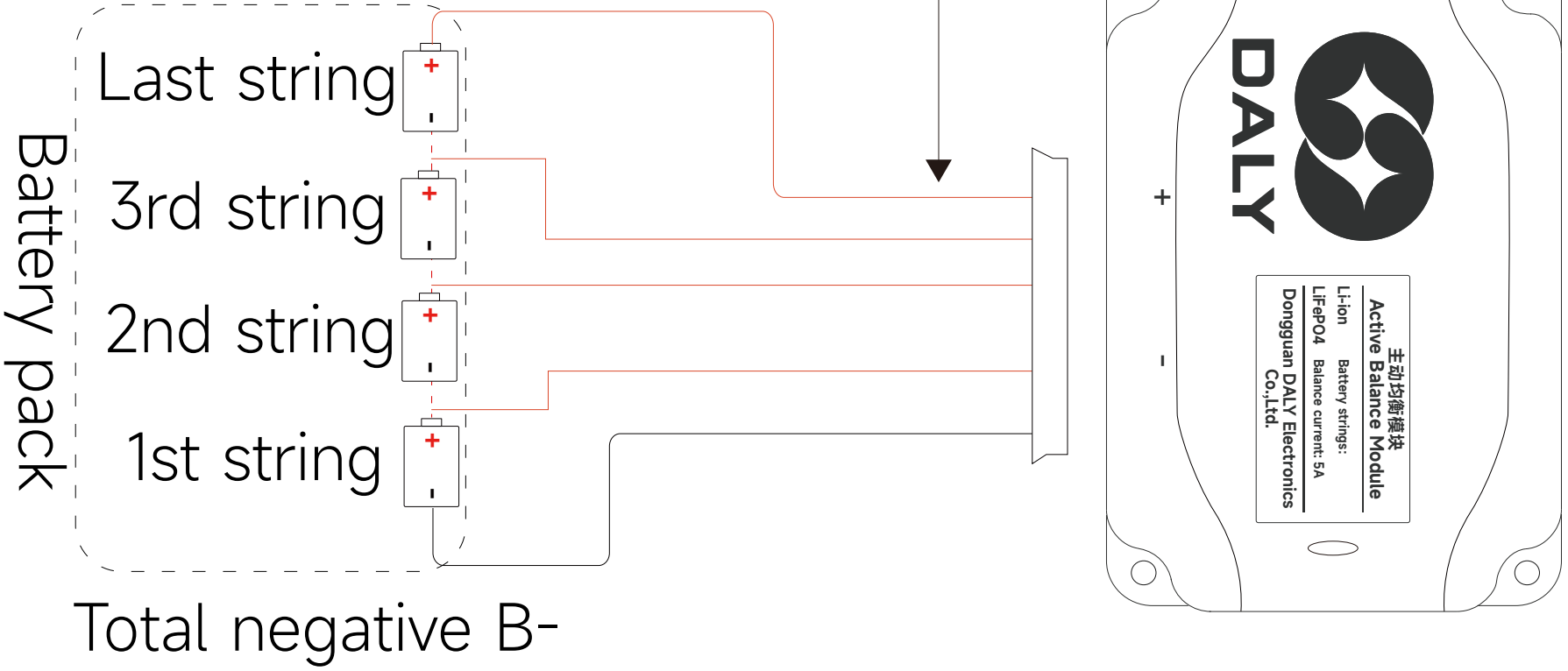
Hardware Active Balance Module Selection		
Product name	5A hardware active balance module	
Product photo		
Strings	3~8S	9~16S

Balance current	≤5A	≤5A

2、Wiring diagram

※特别注意:不同厂家的排线不通用，请确保使用配套排线。主动均衡模块须匹配相同串数的BMS，串数不同不可混用。





3、Hardware Acitive Balance Moudle Connection Steps

Special attention: Please solder the cable separately first, and then plug in the active balance module after confirming that the cable is soldered correctly! If active balance module is damaged due to improper operation, the warranty cannot be guaranteed.

Step 1: Weld the cables.
The cable is connected from the black line to the total negative pole B-, the second line next to the black line (the first red line) is connected to the positive pole of the first battery string, and then connected to the positive pole of each series of batteries in turn until the last one.The red wire is connected to the total positive pole of the battery B+.

Step 2: Measure the voltage

After all the cables are connected, first use a multimeter to measure whether the voltage of each string and the total voltage of the cable terminals are normal. The voltage of each string of ternary lithium should be around 3.0-4.15V， and LiFeP04 should be around 2.5-3.6V, If the voltage is abnormal, please check whether there are process problems such as wrong welding,virtual welding, false welding, desol-dering, and uneven solder joints.Plug in the active balance module after confirming that the voltage is normal.(Note: hardware active balance module does not support LTO) .

Step 3: Getting Started

1.The active balance module can be automatically activated when the power is turned on, if the cable is disconnected or unplugged, it needs to be re-powered to activate.

2.The balance is turned on when the first series voltage is greater than 3.1±0.1V. the balance module automatically turns on balance; The balance is turned off when the first series voltage is less than 3.0±0.1V； the balance module turns off balance.

3.Description of the status light of the balance module : green light on - balancing on; green light off- balancing off.

4、Matters need attention

1.Prohibit the use of batteries below 1V.