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

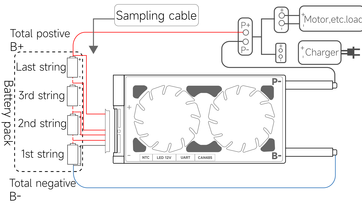
DALY Software BMS Operating Manual

1、Product catalog

DALY Software BMS Selection			
Product Photo			
Model	J	T	A
Strings	3~16S	3~25S	3~25S
Continuous current	30~60A	30~60A	80~120A

DALY Software BMS Selection			
Product Photo			
Model	U	W	ND
Strings	3~25S	3~32S	3~32S
Continuous current	120~150A	200~250A	300~500A

2、Operating instruction



1. Wiring sequence of battery:

Attention:

Wires of different BMS suppliers are different, please make sure to use the matching wire, different BMS suppliers' B- and P-cables have different colors, please pay attention to B- and P-logo;

When welding sampling wires, be sure not to plug the wires to the BMS;

1.1 The sampling wires starts from the thin black wire to the total negative electrode B- , the second wire (red wire) connects the positive electrode of the first string of battery, followed by the positive electrode of each string of battery, until finish connecting the last string of total positive electrode B+;

1.2 After the sampling wires are connected, do not directly plug them to the BMS First check that the sequence is correctly connected. If the voltage of NMC(-Li-ion) battery should be between 3.0~4.15v ; the voltage of LFP(lLiFePO4) battery should be between 2.5~3.6V; the voltage of LTO(Lithium-titanate battery) should be between1.8~2.8V. Please make sure that the voltage is correct before the next operation;

1.3 Plug the NTC (ensure that the temperature sensor

1.3 Plug the NTC (ensure that the temperature sensor is inserted at the NTC port);

1.4 Connect B- on the BMS to the total negative electrode of the battery;

1.5 Insert the sampling wire into the BMS;

1.6 Measure whether the battery voltage between B+ & B- and voltage between B+ & P- are the same (The voltage of the battery pack is the same as the voltage after the BMS. If voltage are the same, that means the BMS works normally, If not, please check wiring sequence according to the above;

1.7 Plug the optional Bluetooth module into the UART port (without Bluetooth module,the battery data cannot be viewed through mobile APP)

2. Activate BMS:

2.1 Method 1: Button activation

There is a self-reset button on the optional Bluetooth, and the BMS can be activated by touching the button. If you choose the button light board, there is also an activation button on it to achieve this function);

2.2 Method 2: Charging and Activating

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If there is no optional button activation tool, you can activate the BMS by charging. Make sure that the output voltage of the charger is at least 2V greater than the battery pack voltage. Use the charger to charge the battery pack to activate the BMS.

PS: You need to activate the BMS when you power on for the first time. If the cable is disconnected or unplugged, it is the first time you power on and needs to be reactivated. After first activation, BMS can be activated by charging and discharging later.

3、 Connect to the load and the charger:

3.1 Connect the P- wire to the negative of the load and to the negative of the charger;

3.2 Connect positive electrode wire of load power supply to the total positive electrode of the battery pack: the positive electrode wire of the charger connect to the total positive electrode of the battery pack.

4. Download communication software (SMART BMS APP at the mobile end or computer on the computer end) The capacity AH of the battery is the correct capacity, I the capacity is set well, the battery can be charged. In the parameter setting interface. non-professional personnel do not propose to modify other parameters, parameter setting error will cause the product can not be used normally. Customers can modify the "protection parameter" and "temperature protection" according to their own needs.

4.1 APP download method:

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①Use the browser to scan the QR code on the manual;

②Search for "Smart BMS" in the Apple or Google App stores;

③ login website (https://www.dalybms.cn/download.html) under load:

④ Contact customer service to download the APP.

4.2 APP use:

Open the bluetooth and the mobile phone set information and enter the APP. the App will search for the bluetooth SN,check the SN on the BMS without error, and then click the SN to enter the management interface.On the first interface. you can select “single “”parallel” or”serial” , then select the bluetooth string number (same as the string number on the bluetooth substance), click the bluetooth string number to enter.

Upper computer tutorial (English)

APP/Upper computer download (In the "Download Center" find theAPP and K-board host computer to download files)