Multiple parallel battery boxes connected with inverter (or loads)

1. The steps of parallel connection of multiple battery boxes

Step 1: Every single battery is started and the total voltage
of the battery is measured with a multi-meter. It is confirmed that the difference between the total voltage of each battery is not more than 2V, and then the follow-up work is carried out.

Step 2: Connect the battery box communication line, set the DIP switch (the connection of the communication line and the setting of the dial code switch reference 5.6.3 description). Start the main station, the slave station 1, and the slave station 2 (if have slave station 2), observe the state of the alarm light from the station. If the fault light is on, please check whether the connection is normal and the switch setting is normal. If the fault lights are not bright, follow up.

Step 3: First turn off all the battery boxes, then connect the battery box power cable (the connection of power cable to 5.6.4 description). After the connection is completed, start the main station, slave station 1 and slave station 2 (if have slave station 2).

Step 4: After the battery is completed in parallel, it is suggested that you wait a few minutes to connect the inverter or load later.

2. The connection between the parallel battery box and the invertir

Step 1: After the battery box is properly parallel, turn off all the battery boxes.

Step 2: Connect the CAN communication line between the battery box main station and the inverter (the connection of the communication line is described by 5.6.3), then connect the power cable between the parallel battery boxes and the inverter (the connection of the power cable is described by 5.6.4).

Step 3: Start the main station, the slave station 1, and the slave station 2 (if have slave station 2).

3. System communication line connection

Information: When multiple battery boxes are used in parallel, the parallel battery box and inverter can only communicate through CAN interface, and the communication between the battery box through RS485.