# Dyness battery and Axpertking inverter Setup

## Check List:

Dyness B4850 * 4

Power cable*1 pair

Parallel cable*3 pairs

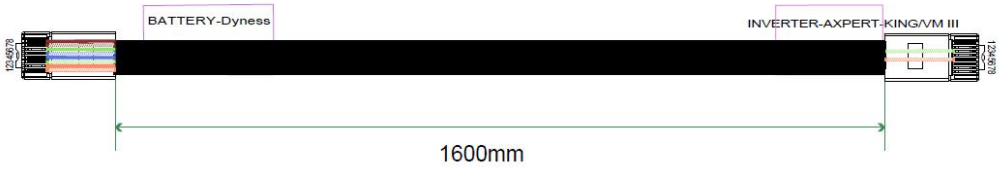
Communication cable Bat-Inv*1

Communication cable Bat-Bat*3

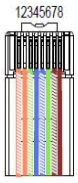
**Before start, make sure battery and inverter size match.**

Follow Dyness user manual to check details, it is recommendedto use battery in 1: 2 configuration.

In our case now, 5kW inverter connects to 9.6kWh battery.



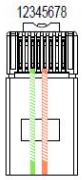

BATTERY-Dyness




| Battery （RJ45 IN） | | | |
|---|---|---|---|
| PIN | Color | Definition | |
| 1 | Orange/white | 485_A | |
| 2 | Orange | XGND | |
| 3 | Green/white | 485_B | |
| 4 | Blue | CANH | |
| 5 | Blue/white | CANL | |
| 6 | Green | X+5V | |
| 7 | Brown/white | XIN | |
| 8 | Brown | NC | |

INVERTER-AXPERT-KING/VM III

| Inverter | | | |
|---|---|---|---|
| PIN | Color | Definition | |
| 1 | | NC | |
| 2 | | NC | |
| 3 | Green/white | 485_B | |
| 4 | | NC | |
| 5 | Orange/white | 485_A | |
| 6 | | NC | |
| 7 | | NC | |
| 8 | | NC | |




## Step 1 : Cable connect in inverter

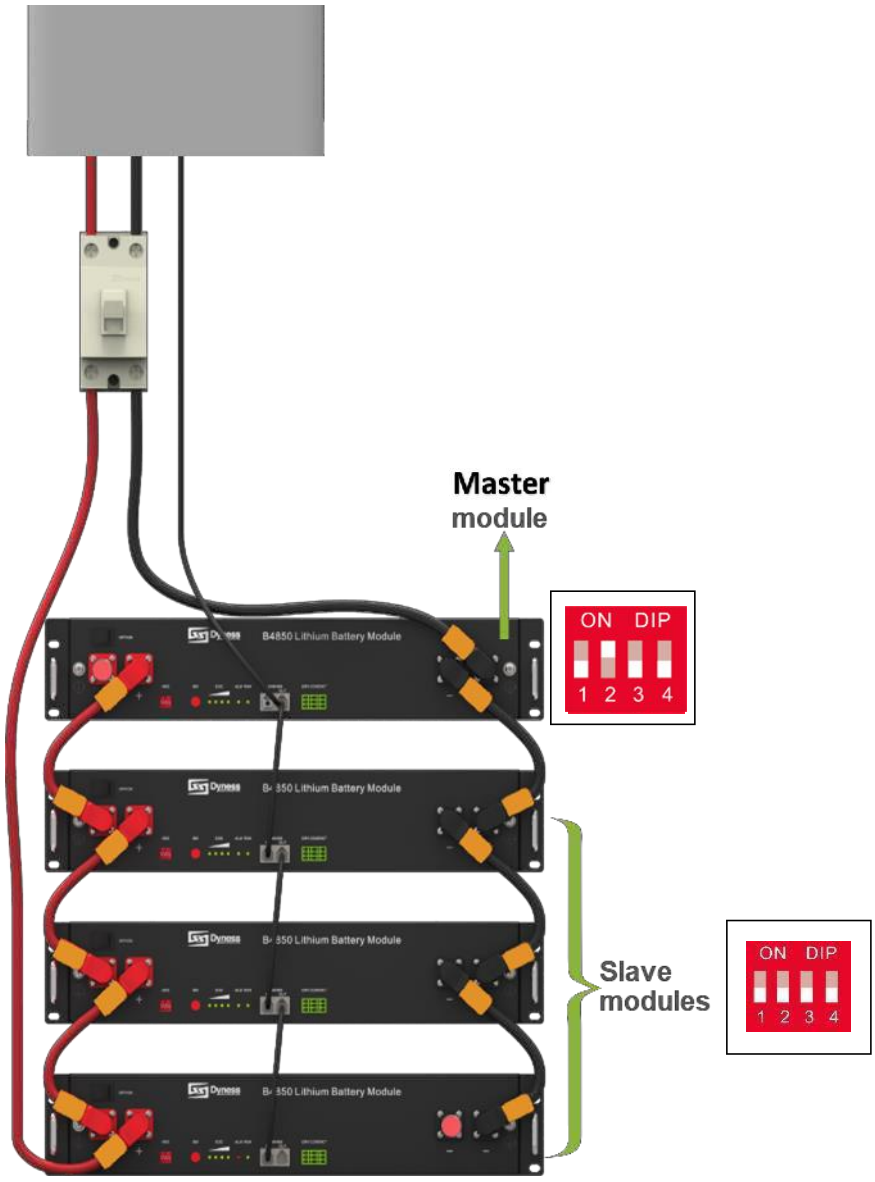
Keep both inverter and battery completely off.

Connect power cable and comm cable to inverter first.

Note: connect the comms cable "battery" side to the master battery CAN IN,connect the "inverter" side to the inverter BMS port.

## Step 2 : Dial DIP switch on master

Make sure master battery DIP is 0100,slaves 0000




**Step 3 : Cable connect in battery**

Keep batteries off, connect power cable 、parallel cable、communication cable Bat-Inv and comm cable Bat-Bat as above.

1. Comm cable from the master CAN IN port to the inverter BMS port
2. Comm cable from the master CAN OUT to slave1 CAN IN,slave1 CAN OUT to slave2 CAN IN….
3. Power cable should be connected diagonally ,one is connected at the top socket and another one is at the bottom.


**Step 4 : Breaker/Fuse between inverter and battery**

Connect DC breaker or Fuse between inverter and battery to protect both products.

**Step 5 : Switch on all the B4850 power switch,then press the master SW button about 3S to wake up it,all the slaves will be woken up automatically.**

**Step 6: Turn on the DC breaker**

**Step 7: Power on the inverter**

**Step 8: Battery and inverter are connected!**

Now inverter is started, it should show the battery voltage ,battery and inverter are connected!


**Step 9: Inverter setup**

Long press ↵ to set, make sure 05 are properly set as below:

**05** LI type(Lithium)

29 Cut off SOC of the battery,47V is OK.

## Step 10: You are ready to go Step

## Step 11: Shut Down

1 Remove all the load
2 Disconnect PV/Grid
3 Turn off DC breaker between the battery and inverter.
4 Turn off the inverter power switch,shut down the inverter
5 Long press SW button to power off the battery, then switch off all the batteries' Power switch.