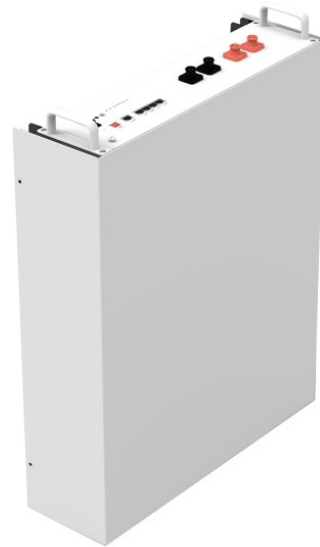




Pytes Low Voltage Battery Series Configuration Guide With SAJ

**Pytes Lithium Battery
With SAJ Hybrid Inverter
H2-(5K -10K)-LS2**

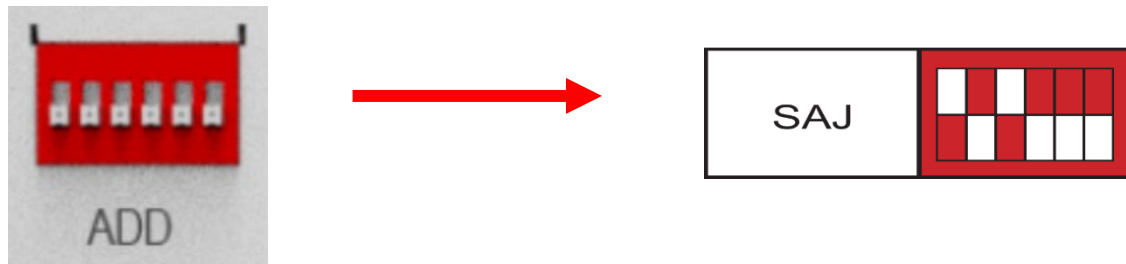


Pytes low voltage battery interface overview

No.	Item Name	Product Picture
1	E-BOX 4850-C	
2	E-BOX 4850G	
3	E-BOX 48100R-C	
4	V5°	
5	V5°α	
6	V5°α Plus	
7	V10	
8	V15	
9	Pi LV1	

Set the Dip Switch

Only need to set the master battery Dip Switch to the corresponding position as shown. The Dip Switch (ADD) location varies for each battery model; please refer to the respective user manual for details.



Select the correct the communication cable between battery and Inverter

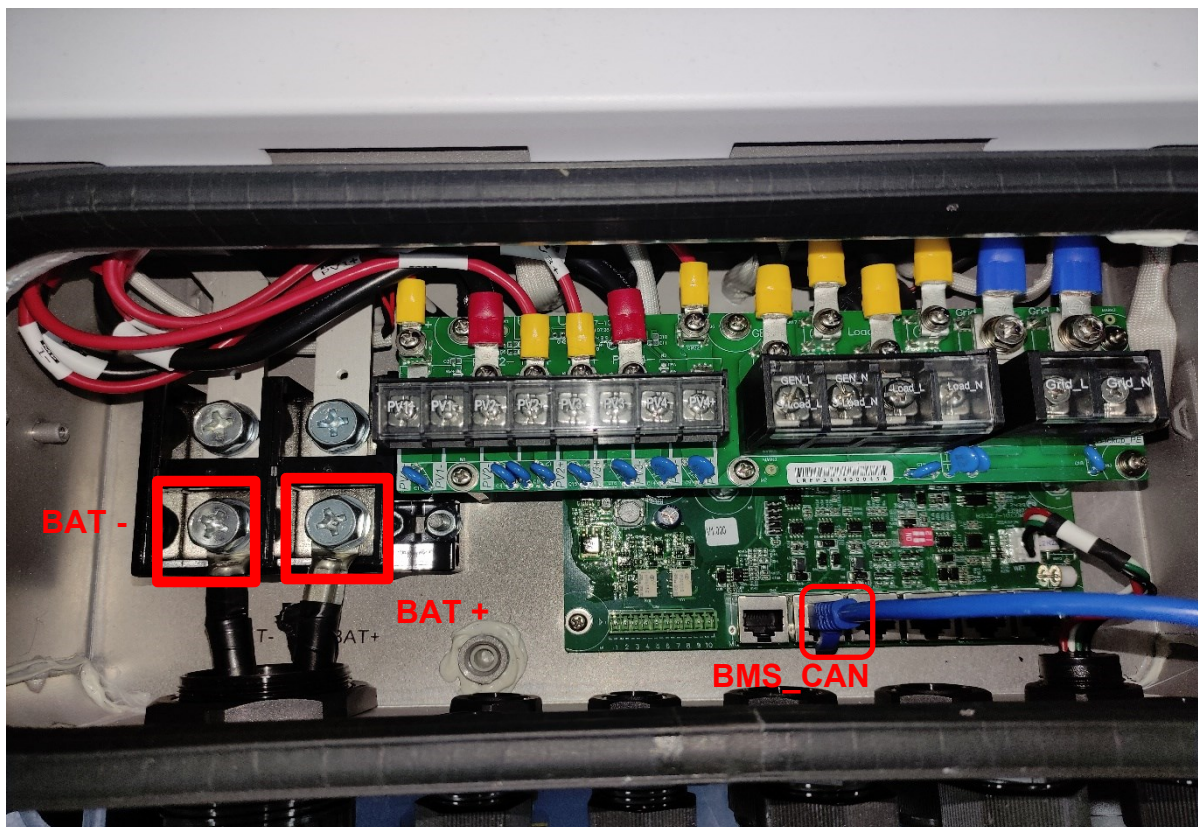
Select the correct the communication cable and the correct pinout of communication port on the battery according to the Pin Definition List. As the pin definitions of the battery and inverter align, a standard ethernet cable can be used with CAN terminals of battery and inverter.

Pin Number	Battery Pin Definition	Inverter Pin Definition
1	RS485B	
2	RS485A	
3	GND	
4	CAN-H	CAN-H
5	CAN-L	CAN-L
6	GND	
7	RS485A	
8	RS485B	

Table: CAN Communication Pin definition of battery and inverter

1. Cable Connection

1. Connect the power cables between inverter and battery or the Busbars. See the (1) on Pic 1.1 to check the position of SAJ Battery Connectors.



Pic 1.1. SAJ inverter connections

2. Plug in the battery end into the CAN port of the Pytes battery and plug in the inverter end into SAJ CAN Port as shown in the Pic1.1. and Pic1.2.



Pic 1.2. Pytes Battery Connections

2. Start up the system

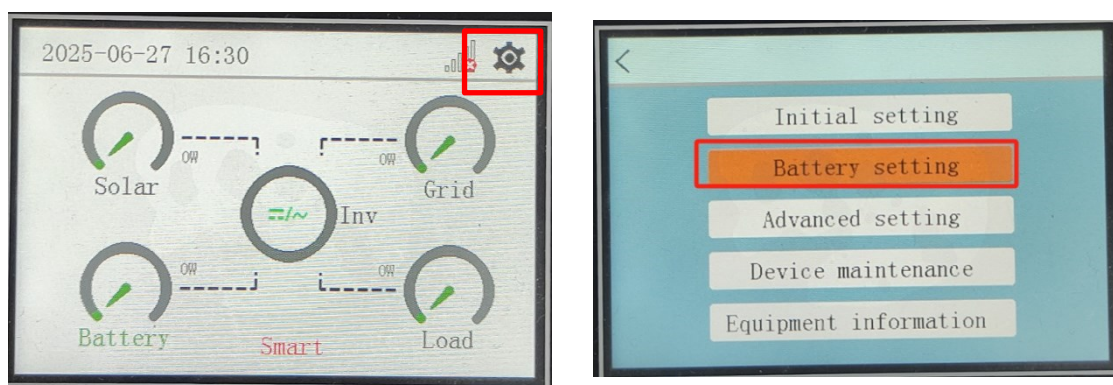
Start up the inverters and batteries.

3. Change the battery setting of the inverter

※CAUTION: If you want more details about the batteries settings, please check the operating manual of inverter

Step1.

You can see go to setting and then go to “Battery Setting”(as shown in pic 3.1.) on inverter display screen



Pic 3.1.

Step 2.

Go to “Battery Brand” and select “Normal-Li” and press “ENT” as shown in Pic 3.2.



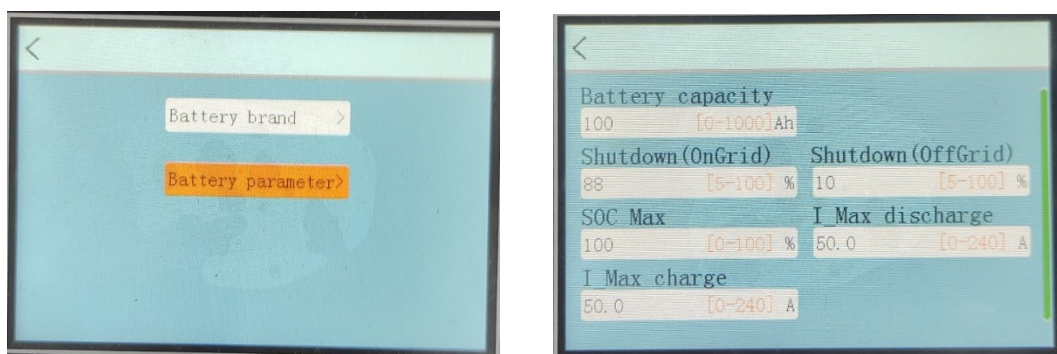
Pic 3.2

Step 3.

Go to “Battery Parameter” and select the parameters according to that shown in picture Pic 3.3

Select "Battery capacity" according to battery Ah rating(for example 100Ah for E-box48100)

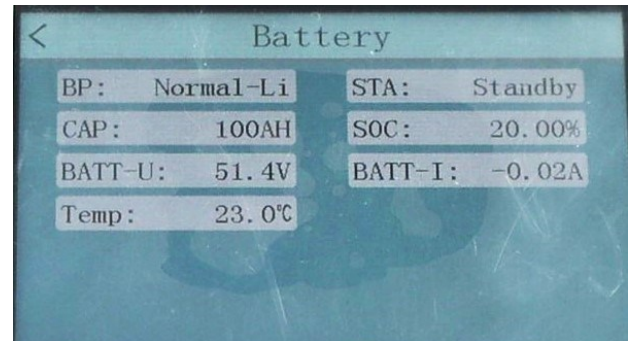
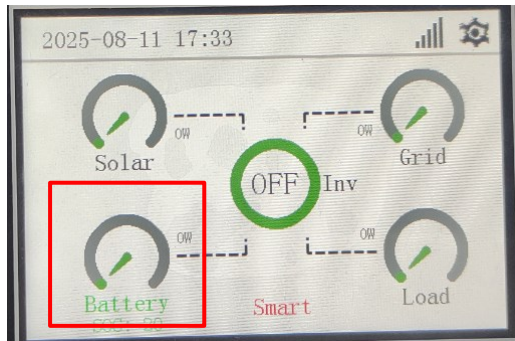
I_Max charge and I_Max discharge depend on number of batteries,
Battery Current(50A E-Box)* Bat Qty or Inverter Max Charging Current



Pic 3.3

Step 4.

On the home screen you click on battery logo, you can see all battery information including SOC.



4. System monitoring

※ CAUTION: If you want more details about system monitoring, please check the operating manual of inverters.