



Pytes Low Voltage Battery Series Configuration Guide with Inhenery

Pytes Lithium Battery

With Inhenery HYBRID INVERTERS Low Voltage Series

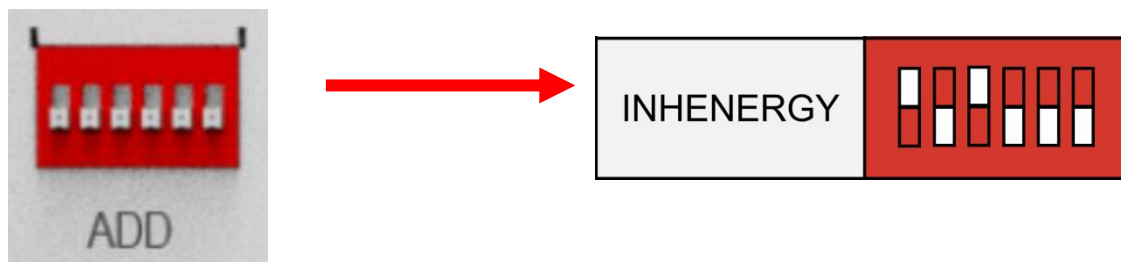


Pytes low voltage battery interface overview

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. If the pin definitions of the battery and inverter align, a standard ethernet cable can be used. Otherwise, the cable needs to be adjusted.

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	

1. Power Cable Connection

Step 1. Prepare battery cables and accessories and put battery power cable through battery cover. Compress the terminal head by using a crimping pliers.

Specifications : Recommend copper nose is SC 25-8 , recommend cable 4AWG.



Pic 1.1



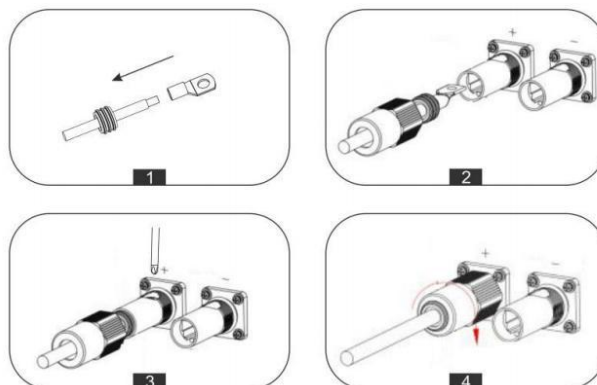
Pic 1.2

Step 2. Connect battery terminals onto inverter.

Step 3. Tighten screws.

Step 4. Tighten the terminal cap.

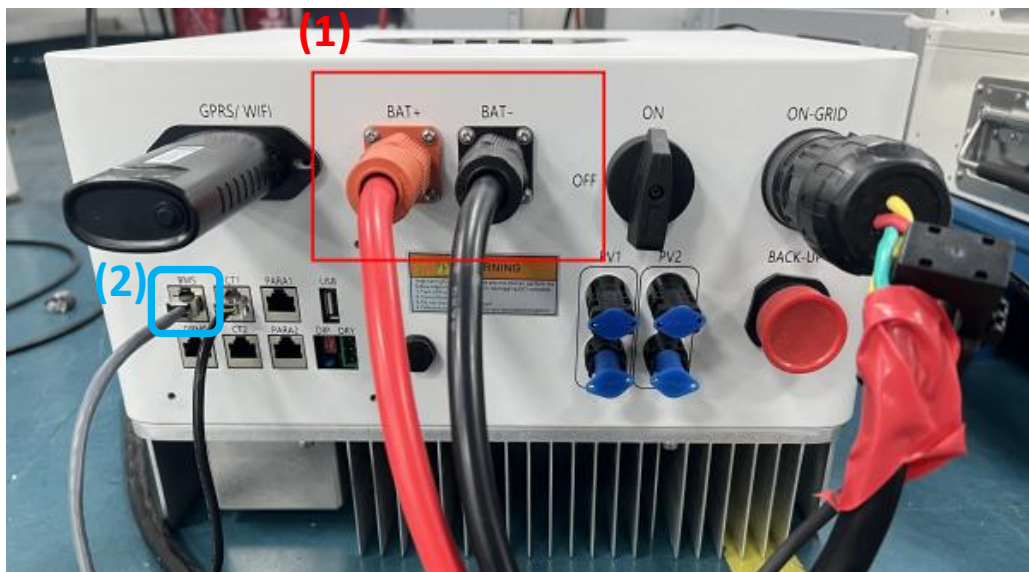
Step 5. Connect power cable to battery terminals.



the real pic 2.1 (1) shows the exact location of the power cable.

2. Communication Cable Connection

Plug in the battery end into the **CAN Port (Check page 2)** and plug in the inverter end into inverter **BMS port** as shown (2) in the Pic 2.3.



Pic 2.1

3. Start up the system

1. Turn on the DC switch between the battery and the inverter.
2. Turn on the DC switch between the PV string and the inverter.
3. Turn on the DC switch at the bottom of the inverter.
4. Turn on the AC switch between the inverter and the power grid.

5. Turn on the switch on the battery.

6. Observe the LEDs to check the operating status of the inverter.

4. Set up inverter

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

Step1.



Set the battery type to Bat 16 Pytes in the system config.



Pic 4.1

5. Check the battery soc

Step.1

Check battery soc on inverter.



Pic 5.1

The details of the battery will be shown on the inverter if the communication between battery and inverter is correct.

6. System monitoring

If there is V5 battery WIFI Stick Logger, Download the SOLARMAN Smart by scan QR code below.



Pic 6.1

Register a new account and create a new plant.

A screenshot of a mobile app registration screen. At the top, it says "SOLARMAN Smart" with a logo. Below this, there are three tabs: "E-mail", "Phone Number", and "Username". The "E-mail" tab is selected. There are two input fields for "E-mail" and one for "Password". Below the input fields is a blue "Log in" button. At the bottom, there are links for "Register" and "Forgot Password?".

Pic 6.2

A screenshot of a mobile app "Plant Details" screen. It shows a form with two sections: "Basic Info" and "System Info". Under "Basic Info", there are fields for "Plant Name" (Demo plant-Commercial), "Plant Loc" (Zhujiang yue), "Time Zone" (UTC+08:00Beijing,Chongqing,HongKong,UTC+8), "Creation Date" (2019-05-04), and "Founder" (Clavin). Under "System Info", there are fields for "Plant Type" (Residential Rooftop), "System Type" (All on Grid), and "Installed Capacity (kWp)" (18350). At the bottom, there is a blue "Finish" button.

Pic 6.3

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