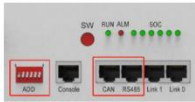
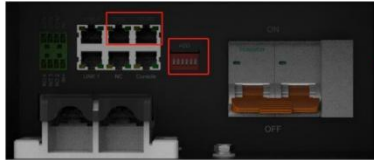
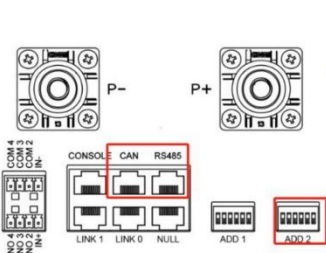


Pytes Low Voltage Battery Series Configuration Guide with Luxpower

**Pytes Lithium Battery
with LXP/ECO Hybrid/ACS Series**

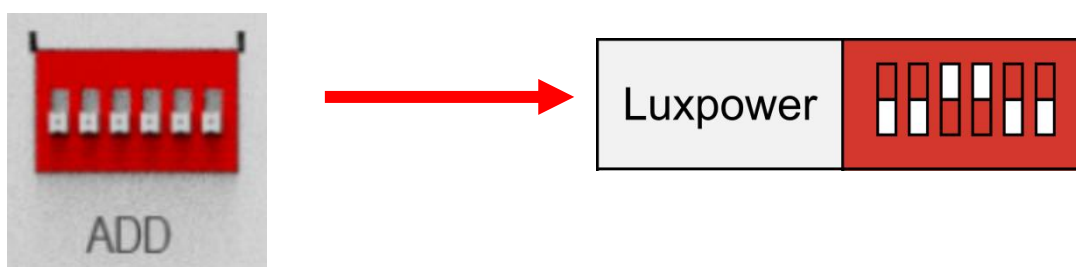


Pytes low voltage battery interface overview

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	

connect the cables

1. connect the power cables between inverter and battery or the Busbars . see (1) on the Figure 1.1 to check the position of Luxpower Battery connectors.
2. Plug in the battery end into the **CAN Port**(Check Page2) and plug in the inverter end into Luxpower **BAT COM Port** as shown (2) on the Figure 1.1.

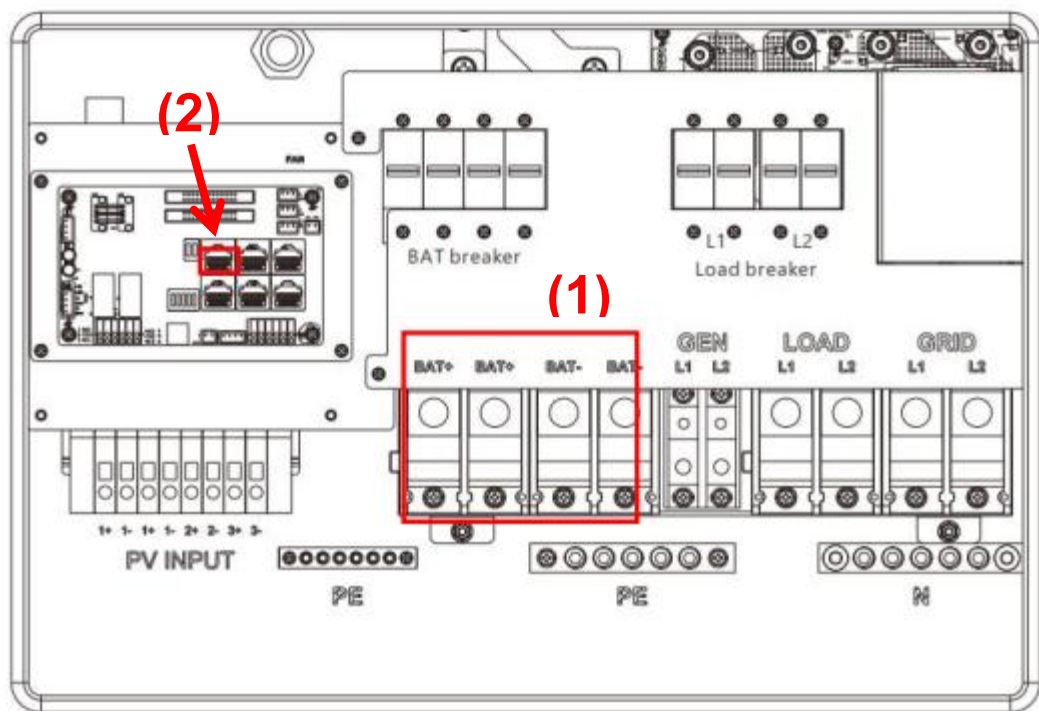
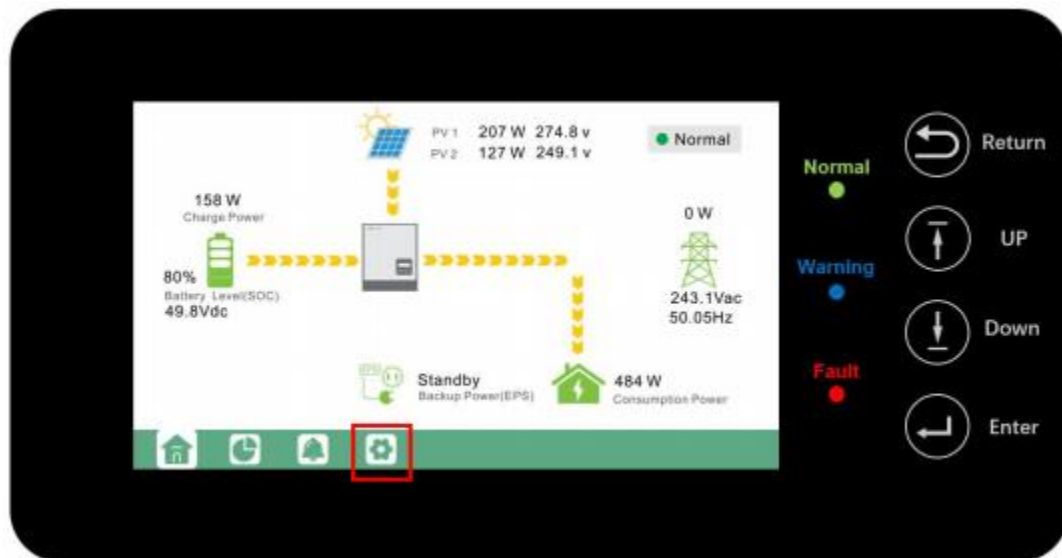


Figure 1.1 Luxpower Battery connectors

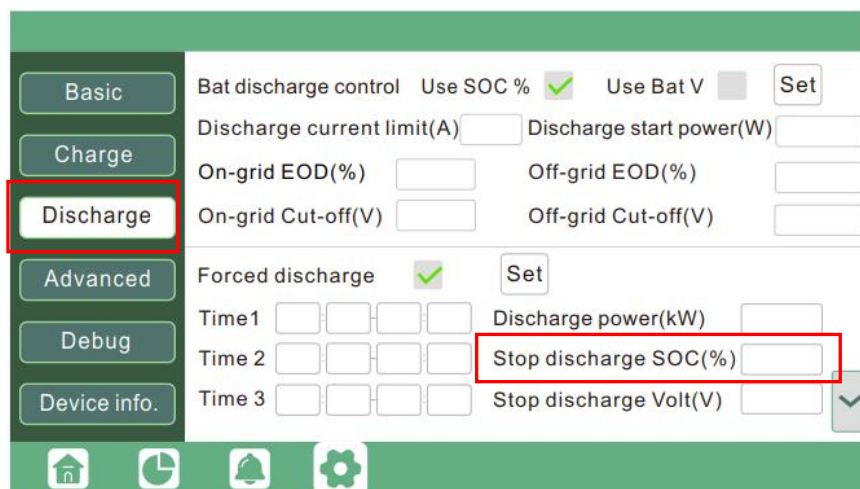
set the inverter

After battery power cable and communication cable connection, users need to enter Advanced settings and choose Battery type and brand on the inverter LCD. After you choose the right battery protocol, the communication will be build in 1-2 minutes.

STEP 1 Touch the **setting icon** of screen.



STEP 2 Click the discharge, and set **Stop discharge SOC** to 10%, save.



STEP 3 Touch **Advanced** and turn down a page ,then choose **2:Lithium** in Battery type.

The screenshot shows the 'Advanced' settings page. On the left, there is a sidebar with tabs: Basic, Charge, Discharge, **Advanced** (highlighted with a red box), Debug, and Device info. The main area contains several settings:

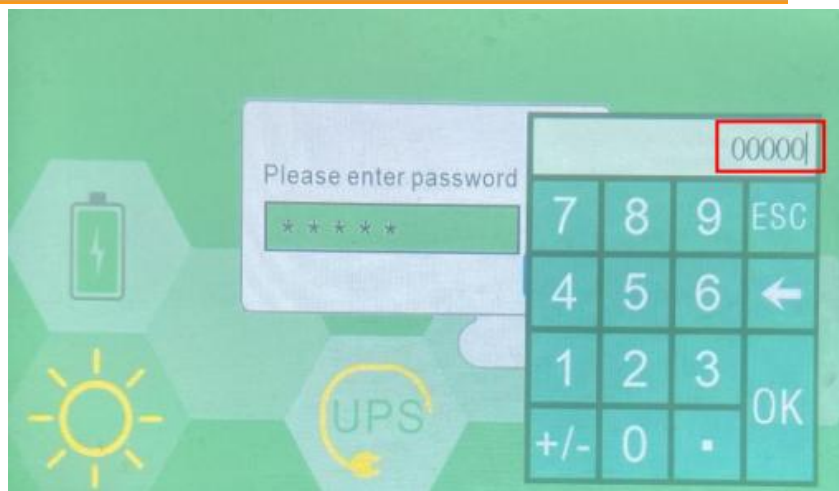
- PV input: [dropdown] Meter or CT: [dropdown] Set
- MODBUS addr: [input] Meter type: [dropdown]
- Vpv start (V): [input] CT ratio: [dropdown]
- Offgrid output: ☒ CT direction reversed: ☐ Set
- Seamless switch: ☐ Charge last: ☐ RSD disable: ☐
- AC couple: ☐ EPS output without Battery: ☐ Micro-grid: ☐
- Smart load: ☐ Run without gird: ☐ Set
- PV Arc: ☒ PV Arc fault clear: ☐ Set

 At the bottom right, there is a red box around a downward arrow icon.

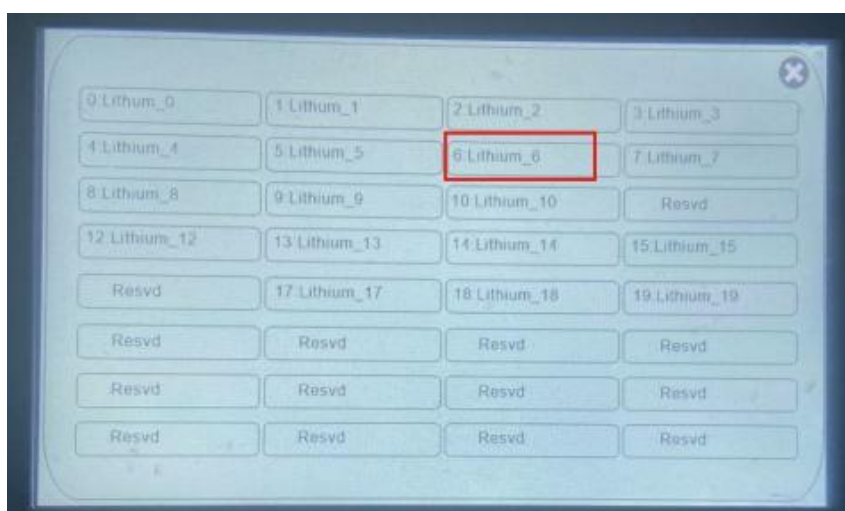
The screenshot shows the 'Advanced' settings page with the 'Battery type' dropdown menu open. The 'Battery type' is set to '2:Lithium' and is highlighted with a red box. The 'Set' button is also highlighted with a red box. The page shows various settings for Grid type, Grid Freq, Grid regulation, and Reconnect time(S). There are also fields for HV1, HV2, HV3, LV1, LV2, LV3, HF1, HF2, HF3, LF1, LF2, LF3, and Lead capacity(Ah).

Advanced setting page

STEP 3 choose Lithium brand. The password is required to select the battery brand. password is **00000**. pytes battery should choose **Lithium-6**.

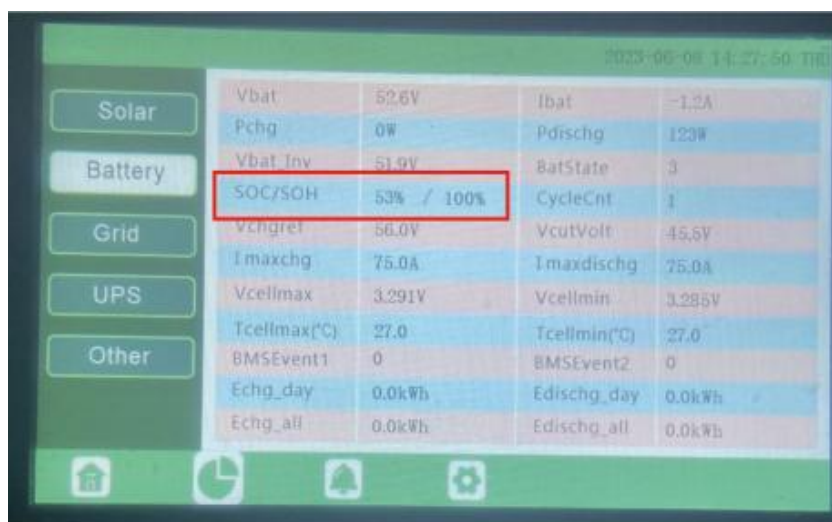


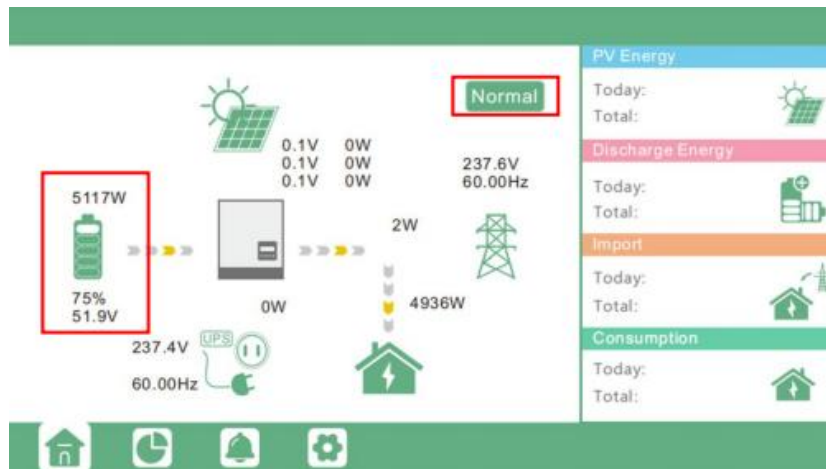
password input page



*Choose battery brand (choose **Lithium_6**).*

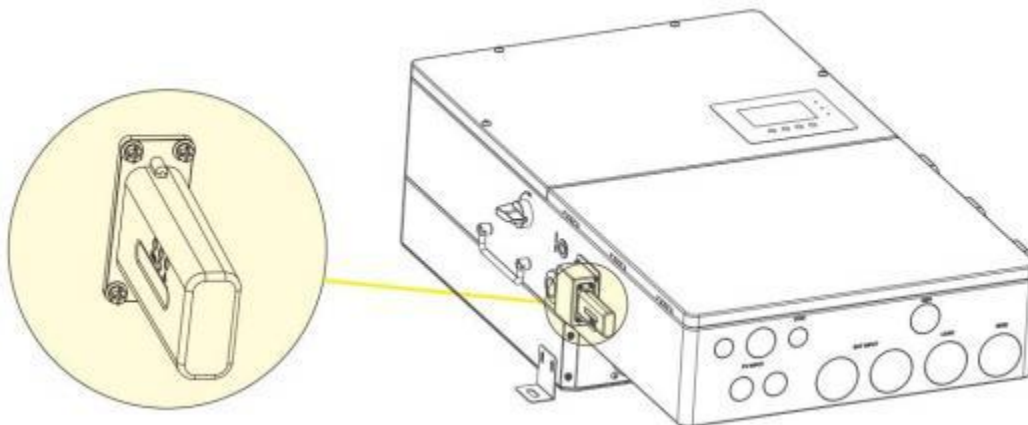
STEP 4 If battery communicate with inverter successful, battery page will show the specific SOC of battery. Home page battery icon will turn to green (if communication fail, battery icon will turn to red).





Monitor system setup

users can use a WiFi/ WLAN /4G /2G dongle to monitor their inverter, and view the monitoring data on a computer or smart phone remotely.



To view data on smart phone, please download APP from the Google Play or Apple APP store, then login with their user account.



For Android



For IOS