

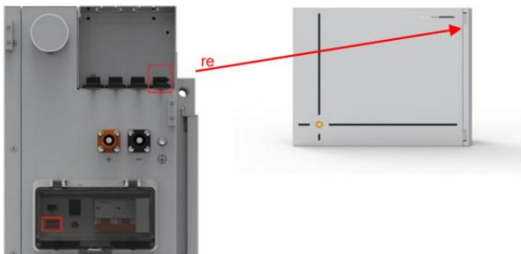
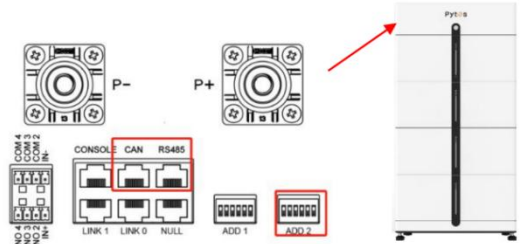


Pytes Low Voltage Battery Series Configuration Guide with Deye

**Pytes Lithium Battery
with Hybrid inverter-Sun Series**

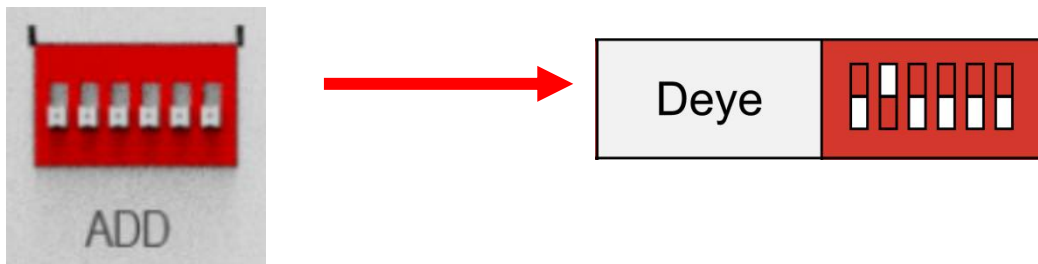


Pytes low voltage battery interface overview

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.



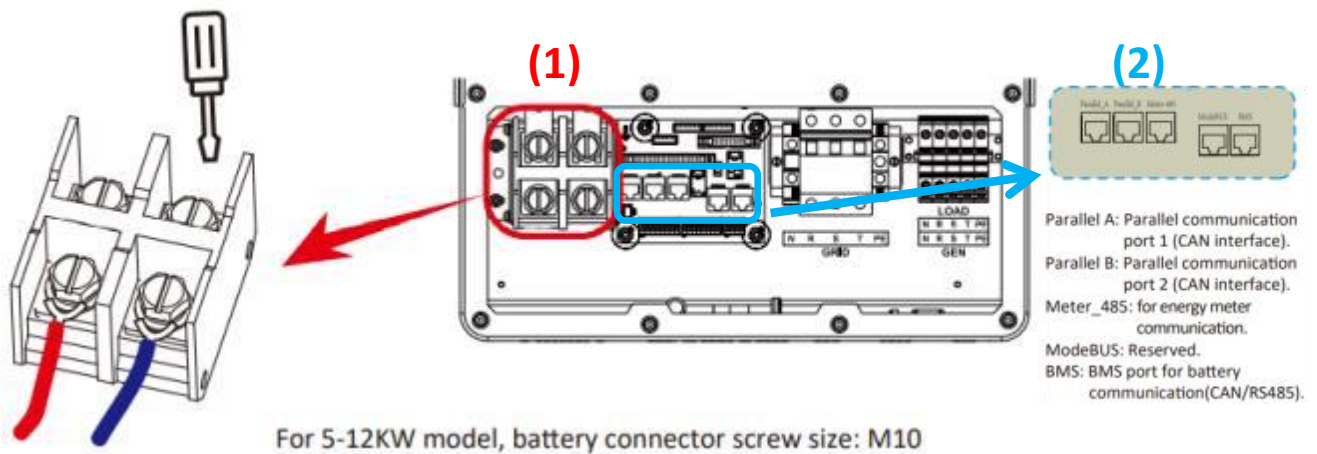
Select the correct the communication cable between battery and Inverter

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

1. Connect the red and black cables to the inverter DC connector as shown (1) in Pic 1.1
2. Plug in the battery end into the communication port of the Pytes battery (Check page 2) and plug in the other end of the cable to the battery communication port as shown (2) in Pic 1.1.



Pic 1.1

2. Start up the system

Start up the inverters and batteries.

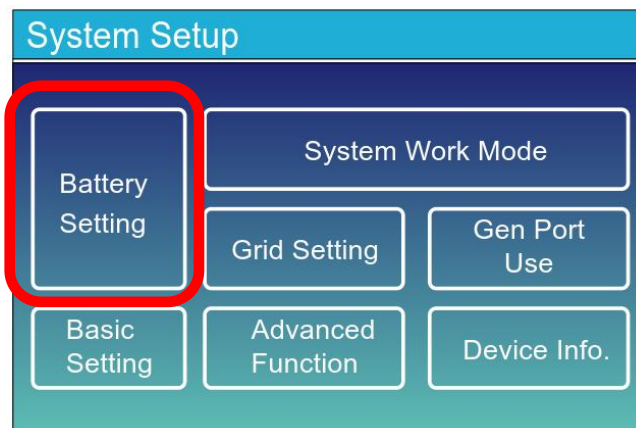
3. Change the battery setting of the inverter

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

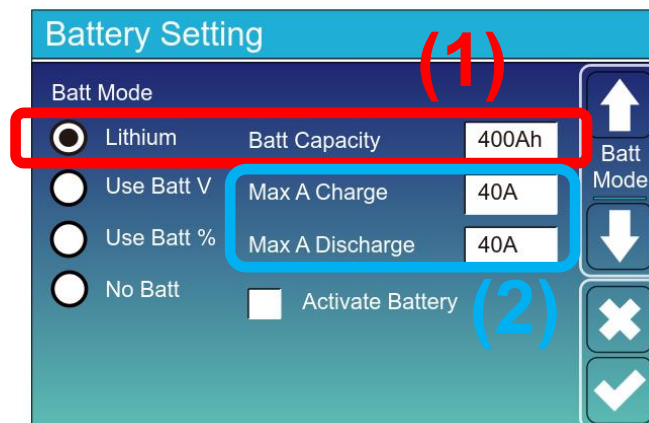
Step1

Change the battery type to lithium in the Battery setting shown (1) in pic 2.2, and input the Batt Capacity match your battery. The Max Charge&Discharge shown (2) should be the smaller value of the battery rated current and the inverter maximum current.

For example if you have 4 V5° battery you need to input 400Ah in (1) and the Max charge current should compare $4 \times 75A = 300A$ with the Deye Max current and choose a smaller value.



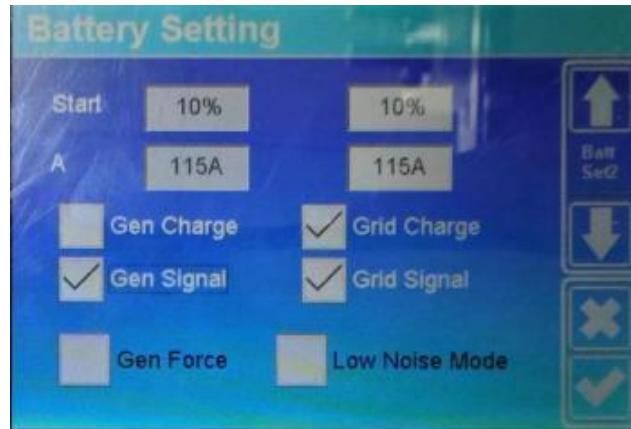
Pic 2.1



Pic 2.2

Step2.

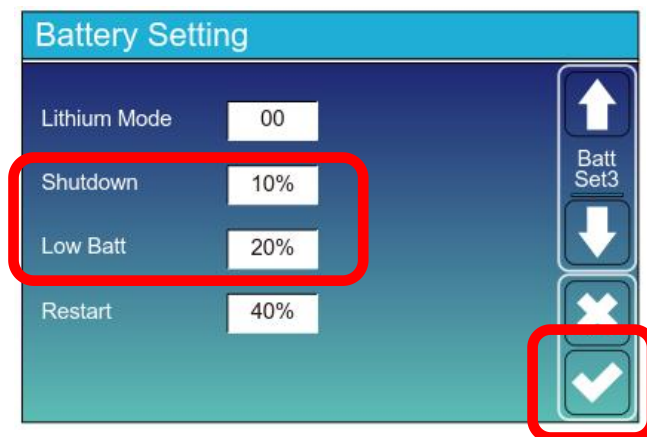
Turn to the next page,you can set charge starting SOC and current.



Pic 2.3

Step3.

Turn to the next page, set the lithium mode to 00 if you use CAN communication. If you use RS485 communication, set the lithium mode to 12. Set Shutdown to 10%, set Low Batt to 20%.Then click √.



Pic 2.4

Shutdown 10%: It indicates the inverter will shutdown if the SOC below this value.

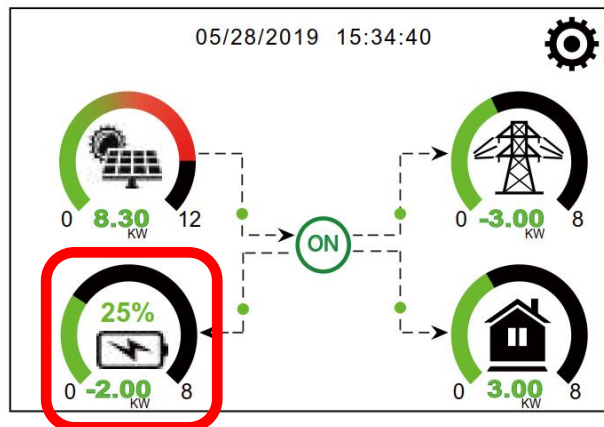
Low Batt 20%: It indicates the inverter will alarm if the SOC below this value.

Restart 40%: Battery voltage at 40% AC output will resume.

4. Check the battery soc

Step.1

Touch the battery icon of the inverter's touch panel.



Pic 4.1

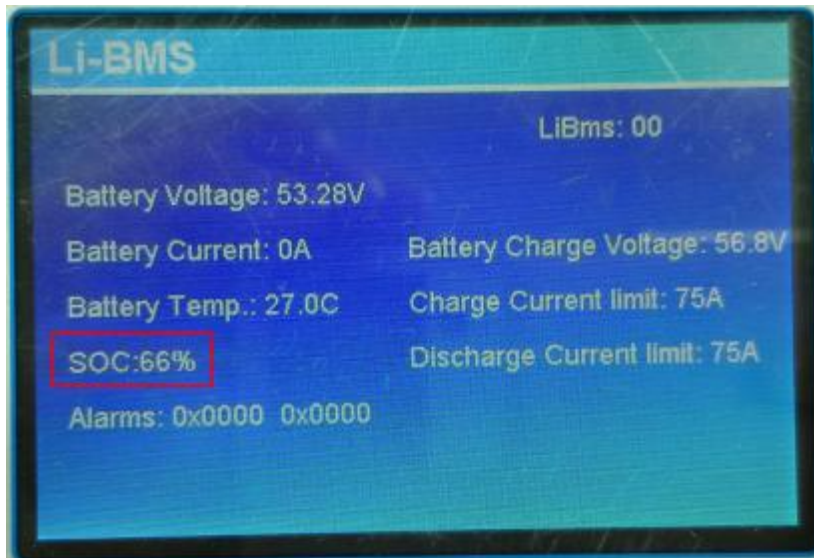
Step.2

Click the Li-BMS in battery information page.



Pic 4.2

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



Pic 4.3

5. System monitoring

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

Download the app from the app store.



Pic 5.1

Register a new account and create a new plant.

The screenshot displays the 'Plant Info' screen of a mobile application. At the top, the status bar shows the time 10:21 and battery level 49%. The title bar reads 'Plant Info'. Below it, there are three main sections: 'Basic info', 'System info', and 'Yield info'. Each section contains several input fields with placeholder text or default values. A blue 'Done' button is located at the bottom of the form. The bottom of the screen shows the standard Android navigation bar.

Section	Field	Value / Placeholder
Basic info	Plant Name	Write your plant
	Time Zone	(UTC+08:00) Beijing,Chongqing,Hong Kong,Guang
System info	Plant Type	Residential Rooftop
	System Type	Please select
	Installed Capacity(kWp)	Please input
	Operating Date	2023-01-01
Yield info	Currency	CNY
	Unit Price(CNY/kWh)	Please enter (Optional)
	Total Cost(CNY)	Please enter (Optional)
	Done	

Pic 5.2

Add the serial number and the password of the Datalogger.

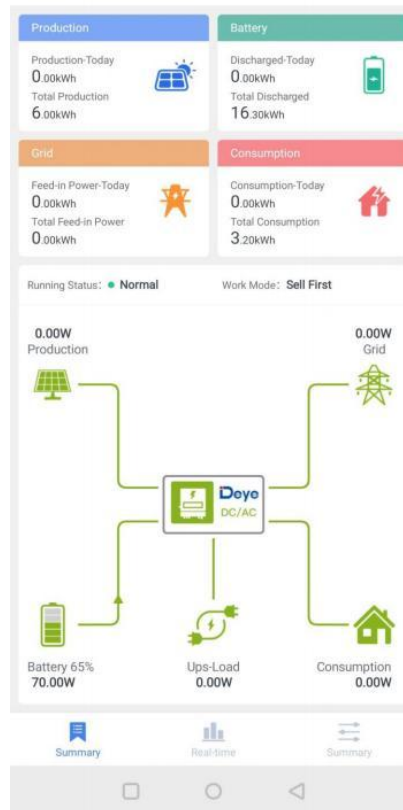


Pic 5.3



Pic 5.4

Now you can monitor the data of solar- PV grid system.



Pic 5.5

-END-