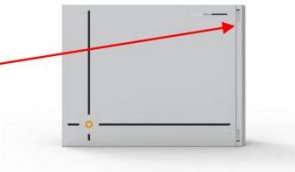
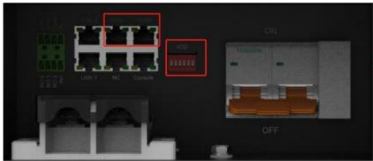
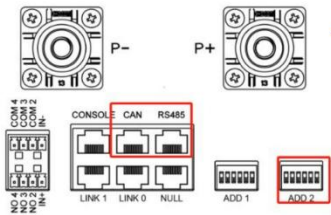


Pytes Low Voltage Battery Series Configuration Guide with APsystems

Pytes Lithium Battery with APsystems ELS Series

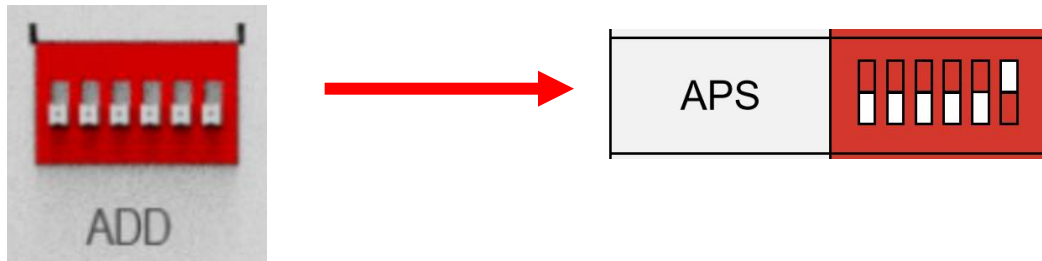


Pytes low voltage battery interface overview

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 and set the DIP Switch

1. Connect the power cables between inverter and battery or the Busbar. The battery connector is (1) shown in figure 1.1

2. Plug in the battery end into the **CAN port** of the Pytes battery (check page 2) and plug in the inverter end into APS Battery **CANBus** Port (2) as shown.

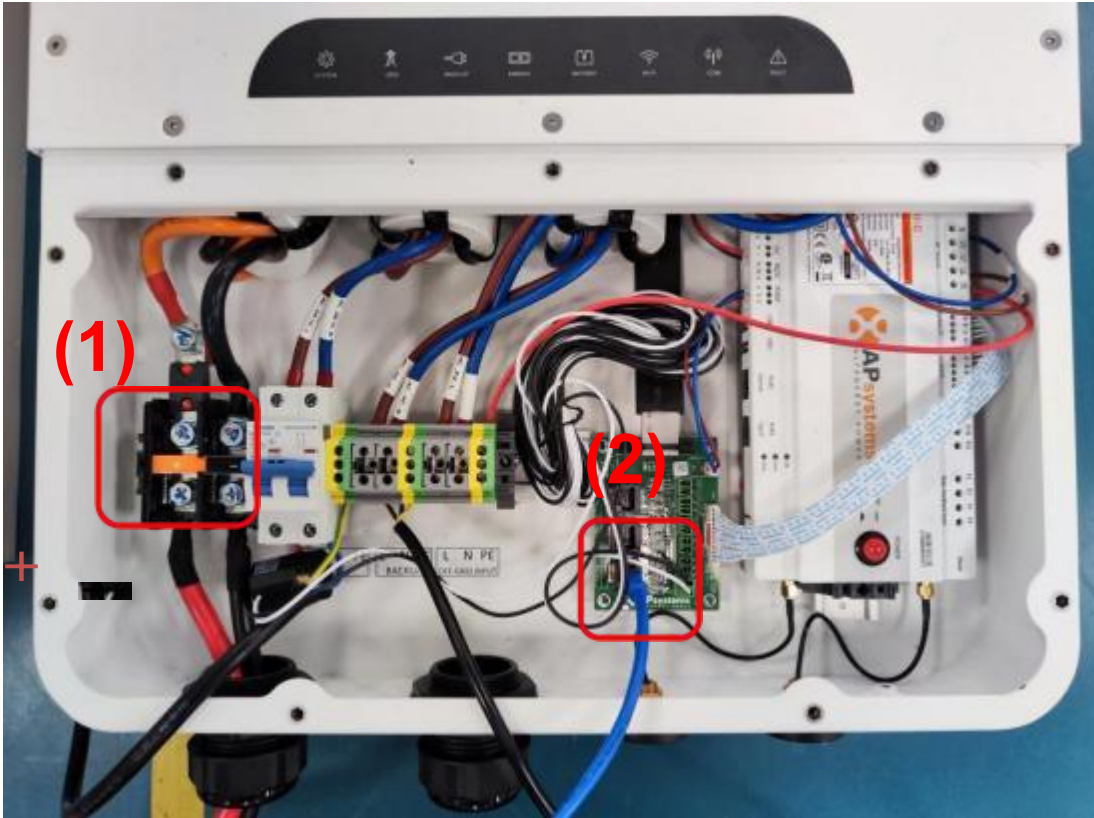


Figure 1.1 APS inverter power and comm Connectors

Program the inverter

There are eight LED indicators on the PCS unit, indicating the working state of the PCS.



BATTERY	Light on constantly	The battery is charging
	Light flashing 1	The battery is discharging
	Light flashing 2	The battery SOC is low
	Light off	The battery is disconnected

If the battery icon is green and there is no alarm sound, it means that the communication between the inverter and the battery is successful. If not, the inverter battery icon will not appear green and will alarm.

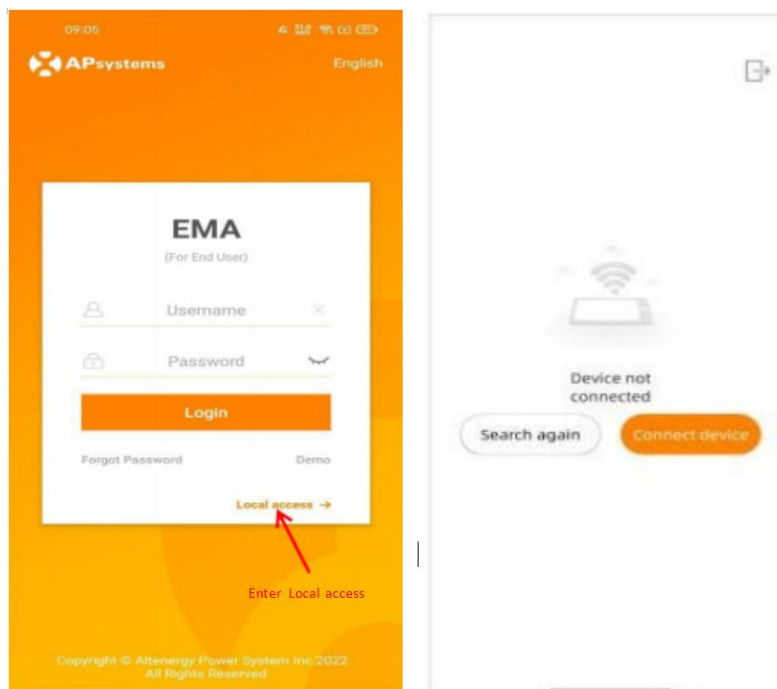
There is no physical button on the inverter, which can only be set through the APP.

Download app: www.apsystems



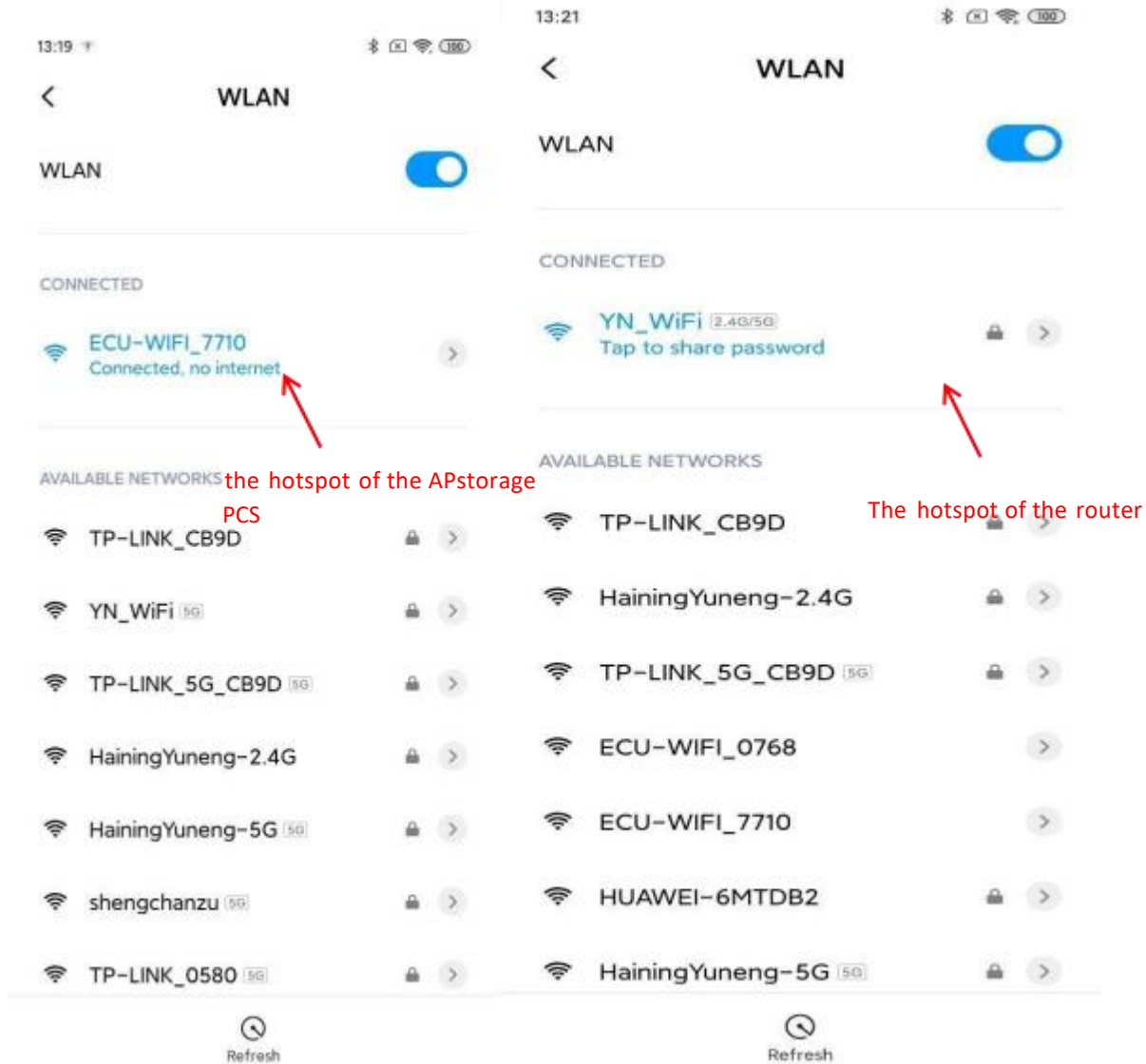
Configure APstorage with EMA Manager

The APstorage PCS has been designed with local connection and management functionality. You can access this local functionality through EMA Manager. Click "Local access" to enter this function.



You will be noticed if your smartphone or tablet is not initially connected to the hotspot of the APstorage PCS or the router to which the APstorage PCS is connected.

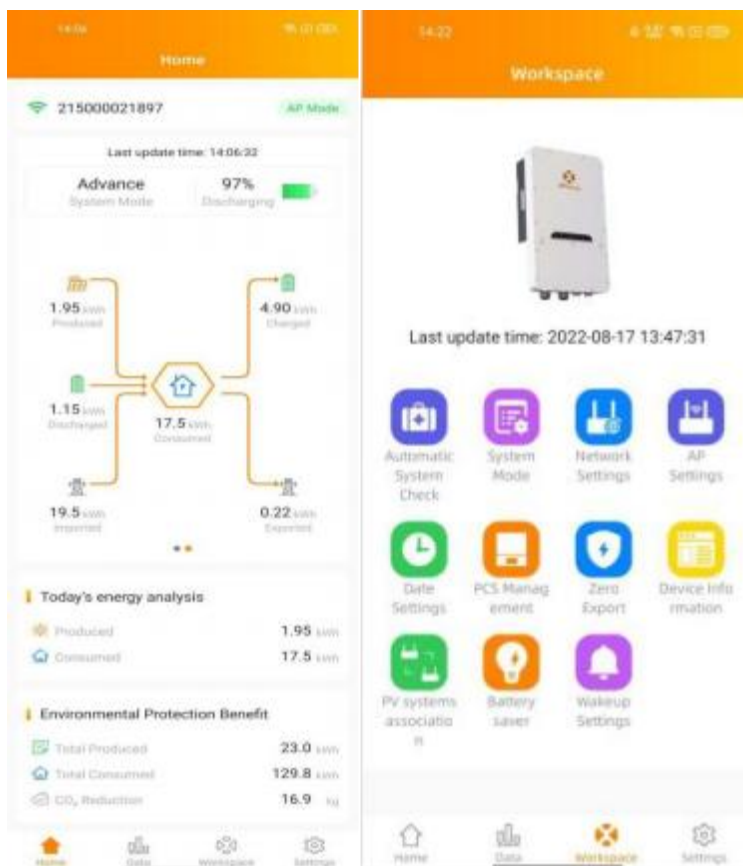
- Step1: Open Wi-Fi setting in your smartphone, connect to the hotspot of the APstorage PCS, the format of the hotspot is ECU-WIFI_XXXX, XXXX being the last four digits of the built-in ECU. Also you can connect to the router which the APstorage PCS is connected to.



- Step 2: Open EMA Manager.

- Step 3: Click "Local access"

You can use this APP to connect the APstorage PCS to the router via Lan or Wlan.



You can view the system ID, charge and discharge status, real-time power, soc, today's charged energy, total charged energy since installed, and CO₂ reduction. The workbench displays the latest communication time, and currently supported function catalog. Click the corresponding button to enter the function page.

Please refer to the APS inverter manual for more settings.