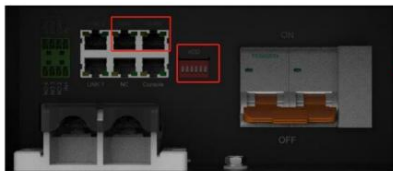
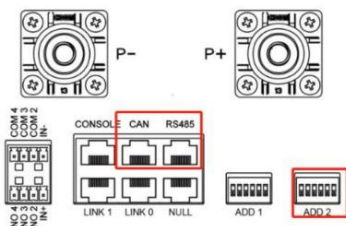


Pytes Low Voltage Battery Series Configuration Guide with Epever

Pytes Lithium Battery with Epever HP-AHP20SA

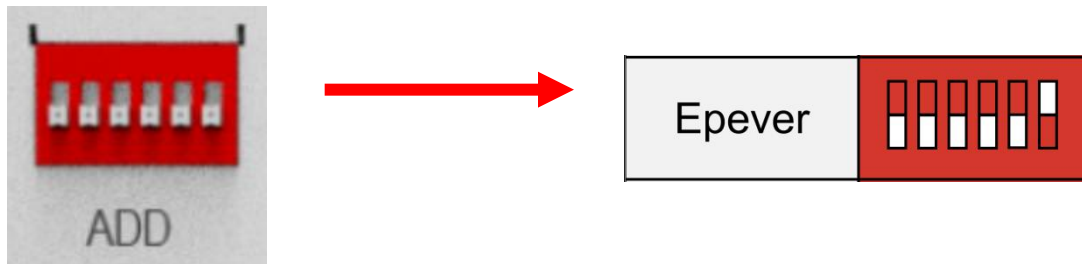


Pytes low voltage battery interface overview

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	RS485B
5	CAN-L	
6	GND	RS485A
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 figure1. See Figure 2 for detailed parameters of power cable.

2. Use RS485 protocol. Plug in the **7A8B** into the **RS485 port** of the Pytes battery (Check Page 2) and plug in the **6A4B** into **BMS Port** (2) as shown in Figure 1.

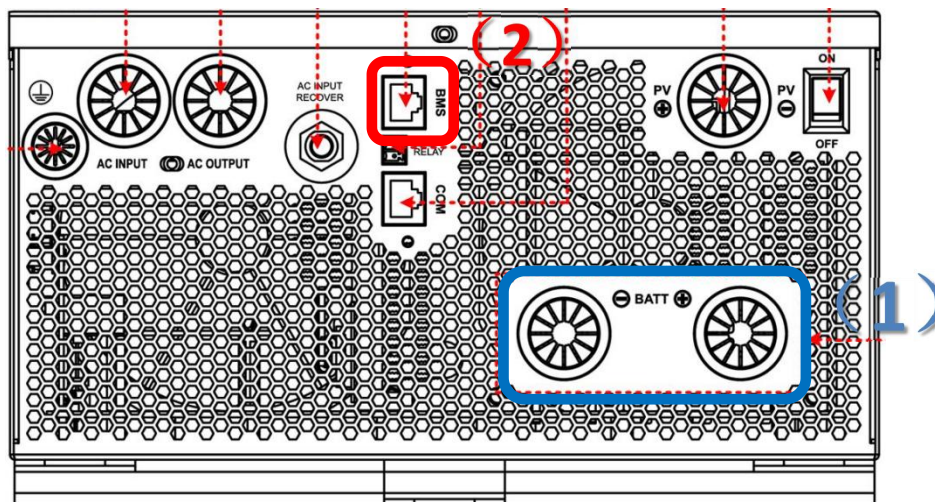


Figure1

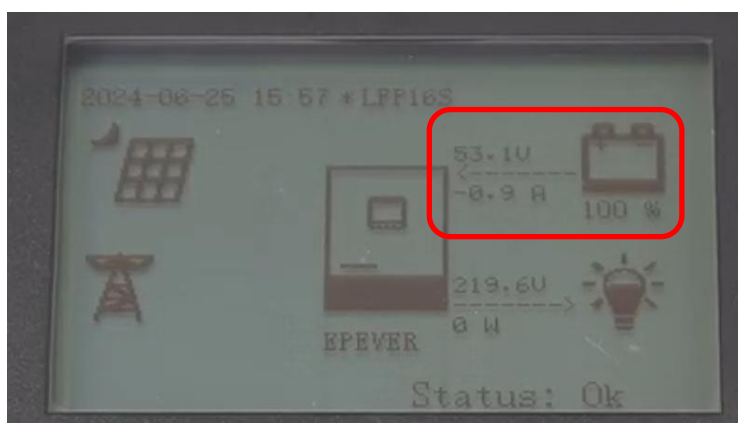
➤ Recommended battery wire and breaker size

Model	Battery wire size	Circuit breaker
HP3542-AH0650P20SA	20mm ² /4AWG	2P—125A
HP5542-AH1050P20SA	35 mm ² /2AWG	2P—200A

Figure 2

Program the inverter

Turn on the battery and the inverter. Check the SOC detail to make sure they can communicate.

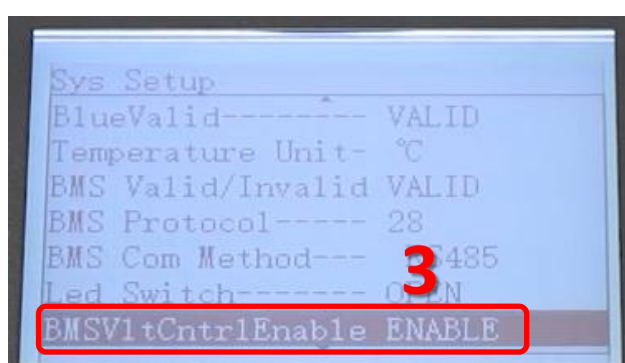
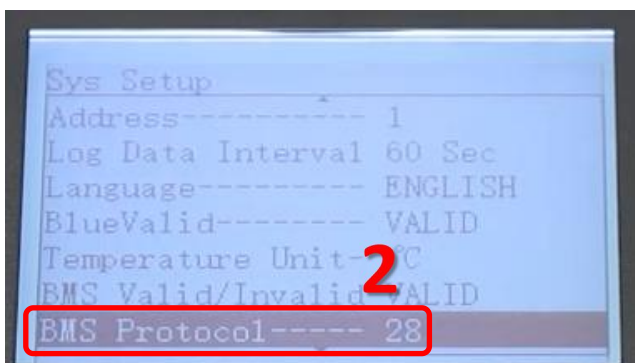
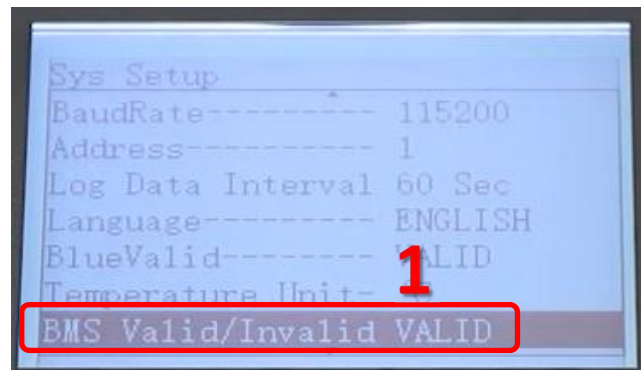
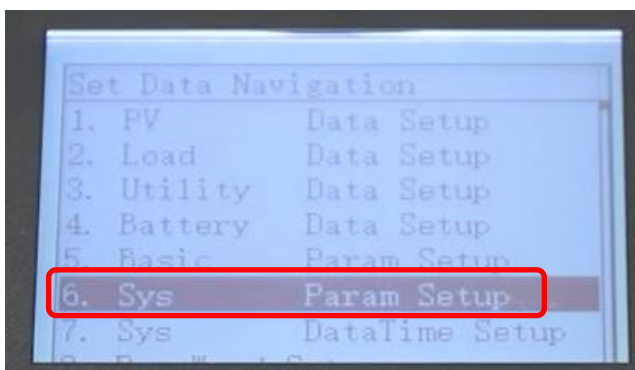
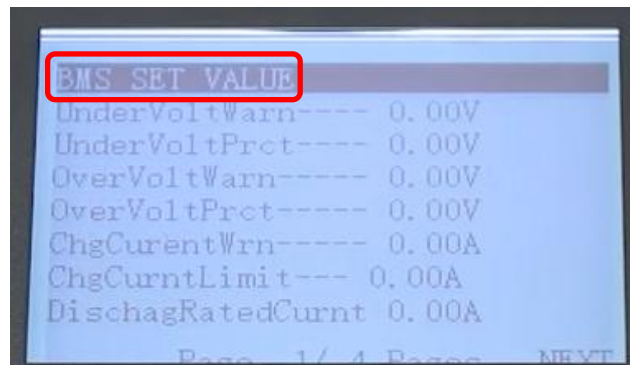
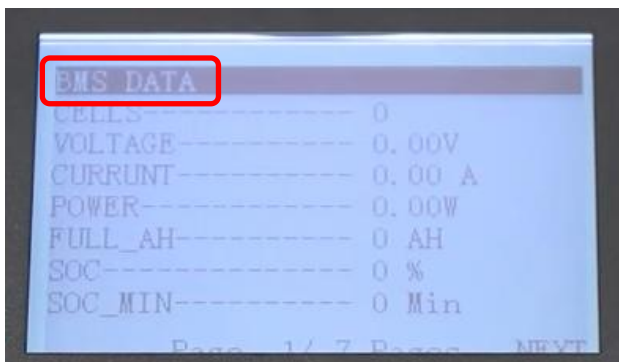


Long press enter. Then Input the password 0000.

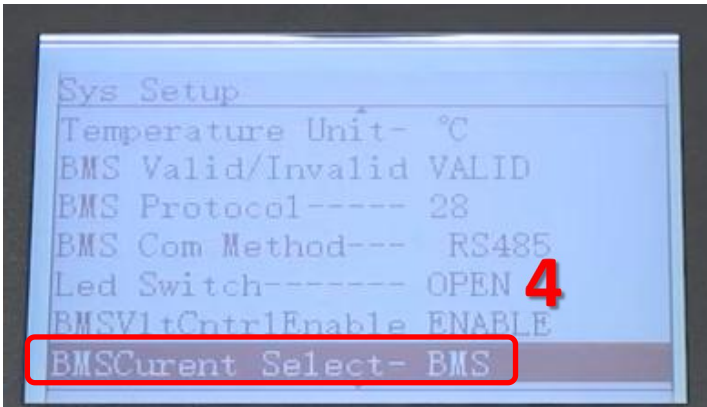


Go to BMS Data→BMS Set Value→6.Sys

1. Change the **BMS Valid/in Valid** to **Valid**.
2. Change the **BMS Protocol** to 28.
3. Change the **BMSV1tCntrlEnable** to **ENABLE**



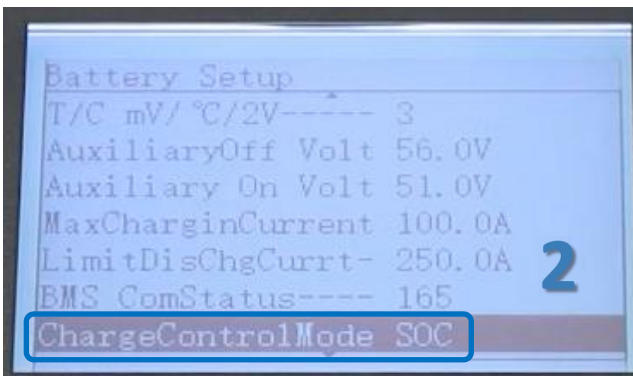
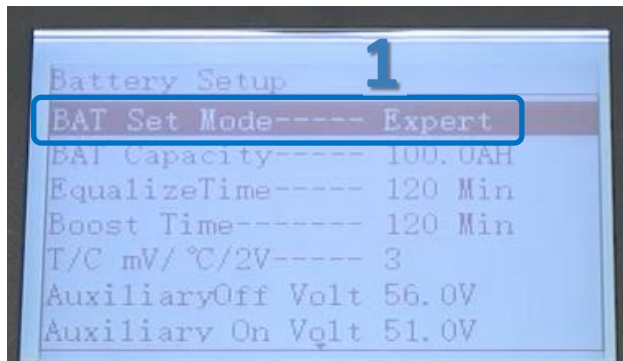
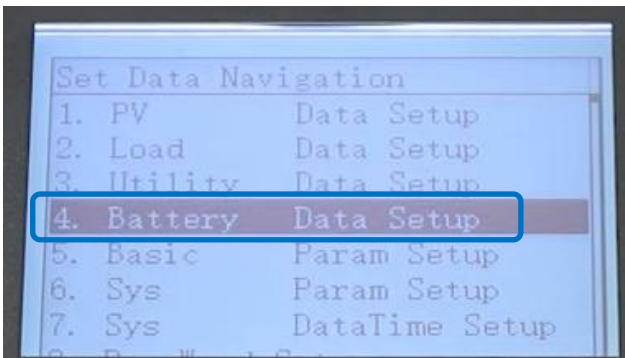
4. Change **BMSCurent Select** to **BMS**



ESC to go back.

Again Go to BMS Data→BMS Set Value→4 Battery

1. Change the **BAT Set Mode** to **Expert**.
2. Change the **ChargeControlMode** to **SOC**



-end-