

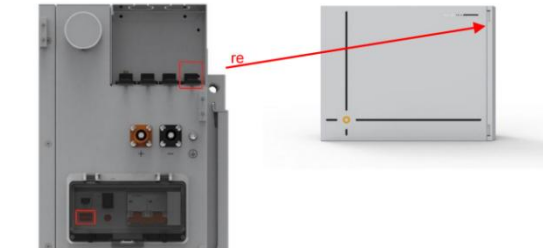
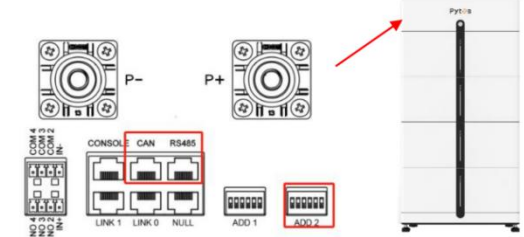


Pytes Low Voltage Battery Series Configuration Guide with AFORE

**Pytes Lithium Battery
with Afore Hybrid AF1/AF3 Series**

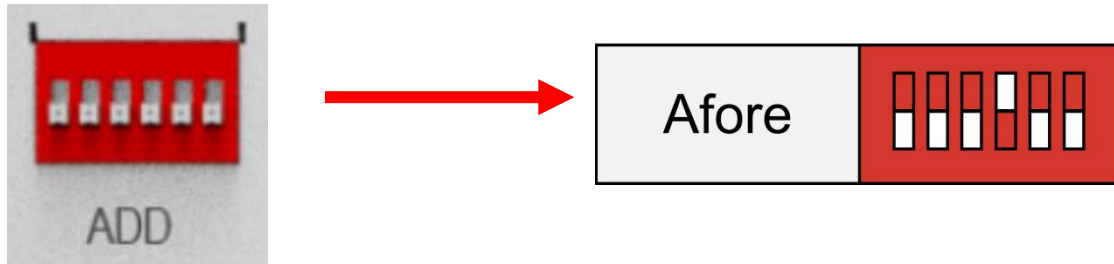


Pytes low voltage battery interface overview

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

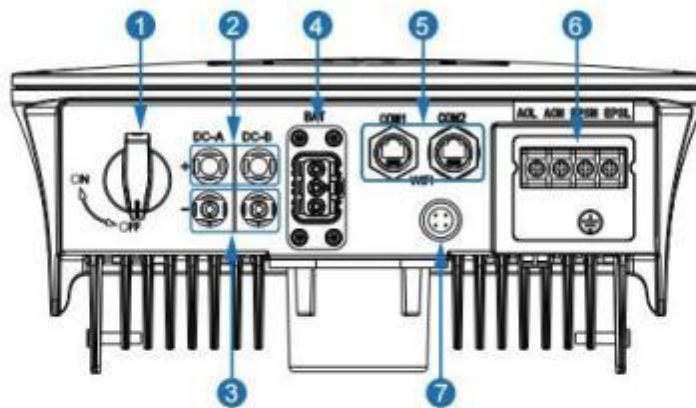
Step.1

Open the front housing of the AFORE Sun Series.

Step.2

Connect the red and black cables to the inverter DC connector as shown in Pic 1.1.

Inverter Terminals



No.	Items	No.	Items
1	DC Switch	5	Communication Port
2	DC Connectors (+) For PV Strings	6	AC Port & EPS Port
3	DC Connectors (-) For PV Strings	7	Monitor Module Port
4	Battery Port		

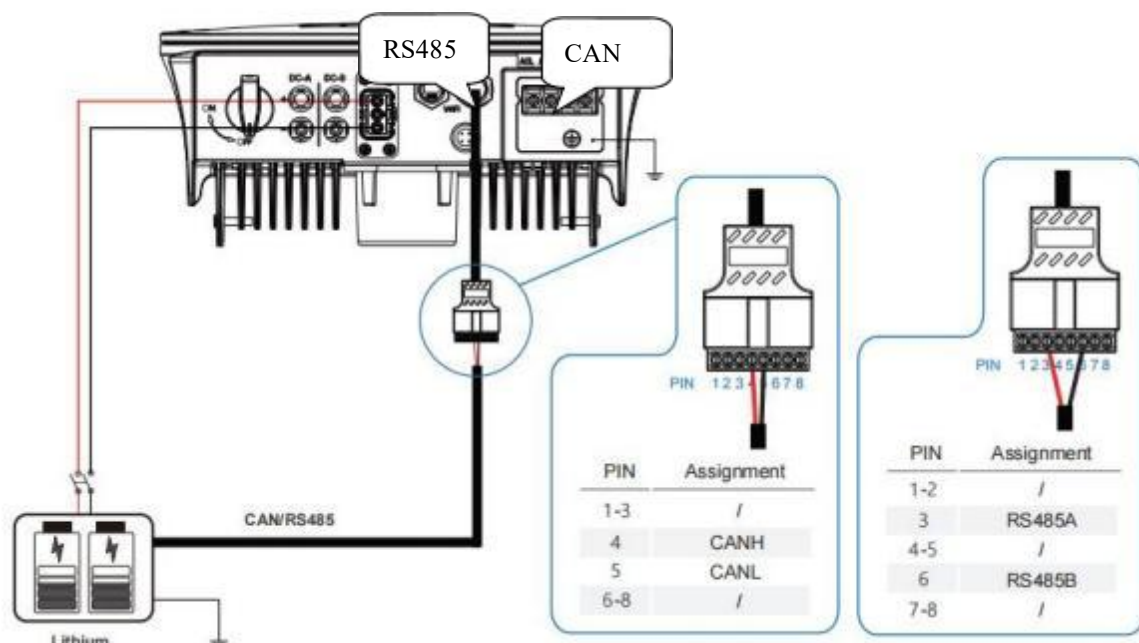
Pic 1.1

Step.3

At the other end of the cable, connect to the battery (Check Page 2).

2.Communication Cable Connection

Connect the end of the cable to the inverter communication port as shown in pic 2.1 Make sure use CAN communication port .



Pic 2.1

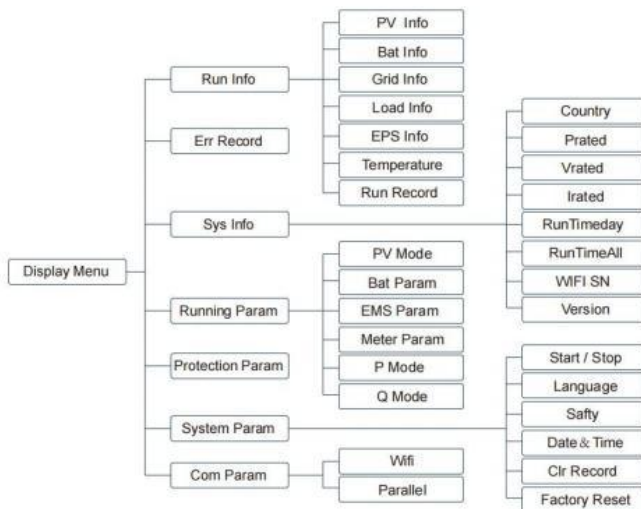
Connect the other end of the cable to the battery communication port.(Check Page 2)

3.Start up the system

Start up the inverters and batteries.

4.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.Set the inverter protocol to AFORE

Step1: “” Entry Menu;

Step2: “” Up/Down Chose Running Param, “” Confirm;

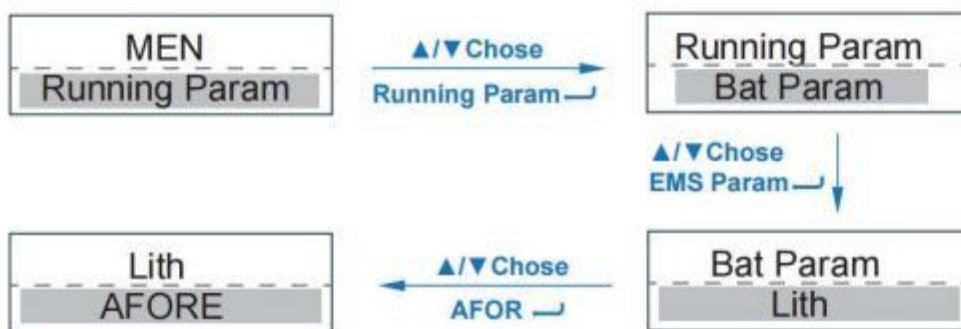
Step3: Password Confirm,  Up/Down Chose “5432” , “” Confirm;

Step4: “” Up/Down Chose Lith (Lithium Battery), “” Confirm;

Step5: “” Up/Down Chose **Pytes**,

If no **Pytes** choice, choose **Afore**. “” Confirm;

Step6: “” Return.



Step2. Set Energy Management System

Step1: “”Entry Menu;

Step2: “”Up/Down Chose Running Param, “”Confifirm;

Step3: Password Confifirm,  Up/Down Chose

“5432”, “” Confifirm;

Step4: “”Up/Down Chose EMS Param, “” Confifirm;

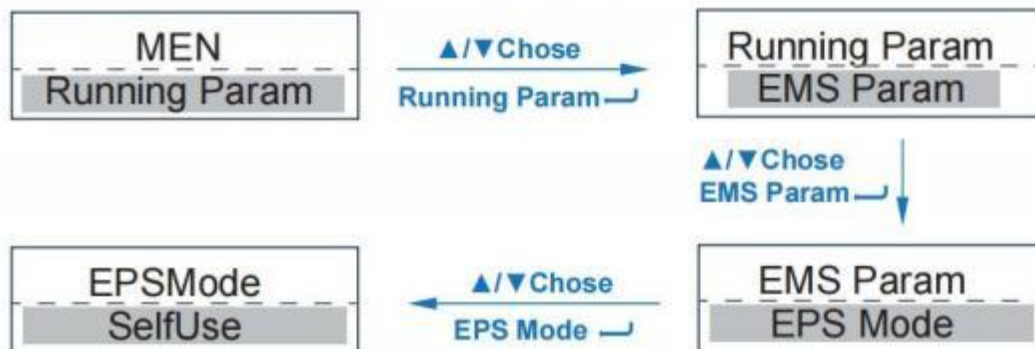
Step5: “”Up/Down Chose EMS Mode, “” Entry MES Setting;

Step6: “”Up/Down Chose

cmdChar/ExtEMS/SelfUse/ChgFst/SellFst/

Maintain (Maintenance), “” Confifirm;

Step7: “”Return.



Eps mode should be turned on

Step3.

Step1: “↵”Entry Menu;

Step2: “▲/▼”Up/Down Chose Running Param, “↵”Confifirm;

Step3: Password Confifirm, ▲/▼ Up/Down Chose

“5432”, “↵”Confifirm;

Step4: “▲/▼”Up/Down Chose EMS Param, “↵” Confifirm;

Step5: “▲/▼”Up/Down Chose Chg or Dischg Tim, “↵” Entry MES Setting;

Step6: “▲/▼”Up/Down Chose Max /Mini Pwr /Max /Mini Volt/Max /Mini Curr,

“↵” Confifirm;

Step7: “ ”Return

Set the charge/discharge voltage to 56v.

The charge and discharge current is 50A. SOC is 100%

The input parameters of different models are different



5.Check the battery soc

Step.1 : You can check the battery information on the APP



Pic 5.1