

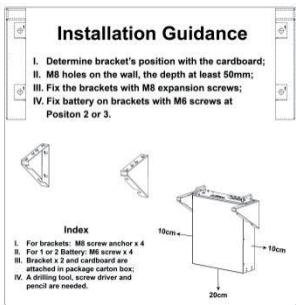
Quick Installation Guide

Model:Uhome-LFP 2400

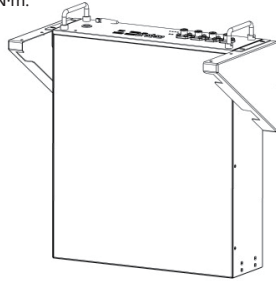


1.Wall mounting

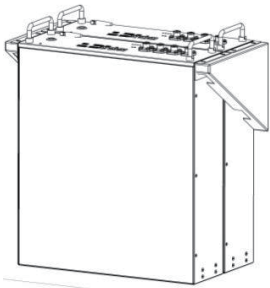
1.Determine bracket mounting place to be fixed using this Positioning cardboard.



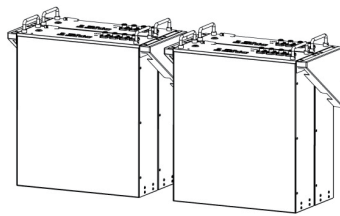
2.Drill holes in the wall for the M8 expansion screw anchors, which depth should be at least 50 mm. Tighten the screws to a torque around 2.5 N·m.



3.Fasten the battery to bracket fasten hole with M6 screws with 2.0N·m roughly.



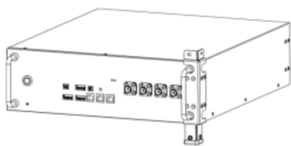
4.Meanwhile, two or four batteries could be installed by these brackets.



Note:
If more than 4 batteries installed, a cabinet recommended to be selected for the battery's stable.

2.Ground installation

1.Fix the braced feet to battery's mounting holes one by one.



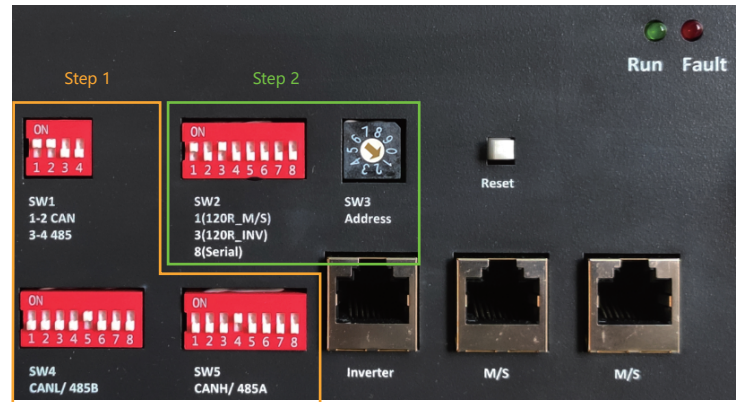
3.But if the number of batteries at the range of 4~8, a cabinet recommended to be selected.



2.If more power and energy needed, two or more (less than 4) batteries could be installed in one stack.



3.Address select of Master and Slave battery(ies) connection



⚠ Step 1 : Check dips SW1,4 and 5 are set as the diagram above.

⚠ Step 2 : Set Dips SW2 and SW3 as the settings below.

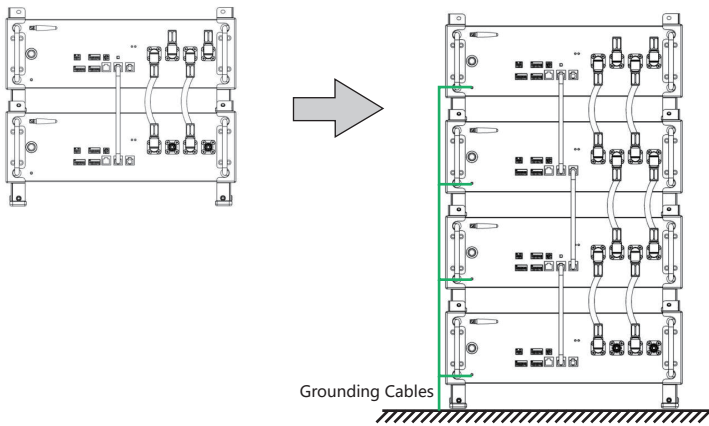
⚠ Step 3 : Check the cable connections are as Section 4.

Connected battery number	Group	Set of SW2		Address Set (SW3)
		Parallel connect		
1	—			
2	Master			
	Slave			
3	Master			
	Slave 1			
4	Slave 2			
	Slave 3			
	Master			
5	Slave 1			
	Slave 2			
	Slave 3			
	Slave 4			
	Master			
6	Slave 1			
	Slave 2			
	Slave 3			
	Slave 4			
	Slave 5			
7	Master			
	Slave 1			
	Slave 2			
	Slave 3			
	Slave 4			
	Slave 5			
8	Slave 6			
	Slave 7			
	Master			
	Slave 1			
	Slave 2			
	Slave 3			
	Slave 4			

4.Cable connection for Parallel connection

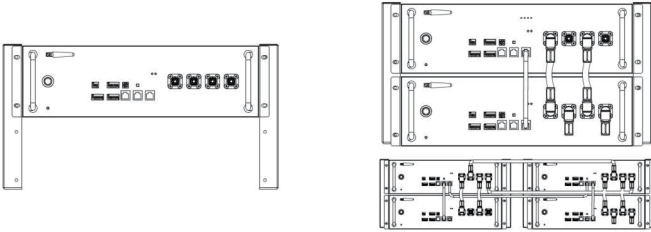
4.1 Ground installation

For parallel installation, please pay attention on Cable connection, and the DIP8 of SW2 no need to be changed and stayed on Initial Factory state.



4.2 Wall mounting

For wall mounting, the battery Series connection number should be less than 4, if more batteries installed, a cabinet was recommended.



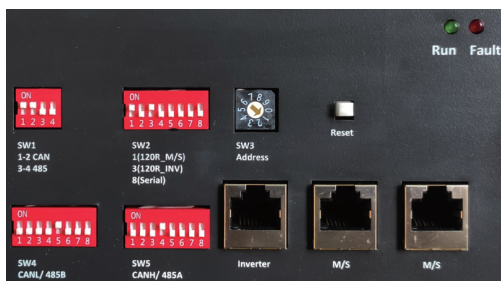
Note:

Before two or more batteries installed in parallel, please check the voltage of each battery and make sure the voltage different less than 2.0V.

5. Configuration

5.1 Settings for CAN /485 bus pins

SW1,SW4 and SW5 should be set correctly for proper communication between inverter and battery.



SW1: For CAN communication, please set pin1 and pin2 at on, pin3 and pin4 at off

For 485 communication, please set pin1 and pin2 at off, pin3 and pin4 at on

SW4,SW5: Please use them to set the port of RJ45

Low signal (CAN) / B (485)--SW4

High signal (CAN) /A (485)--SW5

Example (above picture): CAN communication, port 5 of RJ45 is low signal, port 4 of RJ45 is High signal.



Note:

The battery default protocol is CAN bus, if an inverter communication mode is RS485 or other protocol, please contact AOBO before installation.

6.Commissioning

6.1Commissioning battery

If there is only one battery installed, use the following steps to put it in operation:

1.Press and hold the panel button on the left side of the unit for about 5s, after the indicator lights on, release the panel button.

2.Make sure that the Run light is on. If it stays off, do not use the battery and contact AOBO or your distributor.

3.Turn the inverter on, and wait for the start-up sequence to complete fully.

When there are two or more batteries connected with parallel mode, after the charging cable and the data cable has been connected correctly, follow these steps to put them in operation:

1.Check battery voltage level is above 48V

a)If battery voltage is under 45V contact your distributor or AOBO after service hot line for help.

2.Press and HOLD the panel button for about 5s, then the indicator lights will turn on.

3.Release the panel button.

a)For all batteries, make sure that the Run light is on.

b)Make sure the maximum voltage different between batteries less than 2.0V.

c)If not, the installer should balance the battery voltage and then parallel connect batteries together.

d)Set the DIP switches like part 5-1 Setting for communication interface.

4.Turn the inverter on, and wait for the start-up sequence to complete fully.

6.2Shutting down battery

1.Press and hole the Panel Button about 5s, after a disconnect voice of relay come can release it.

2.Make sure that every light on the battery is off.