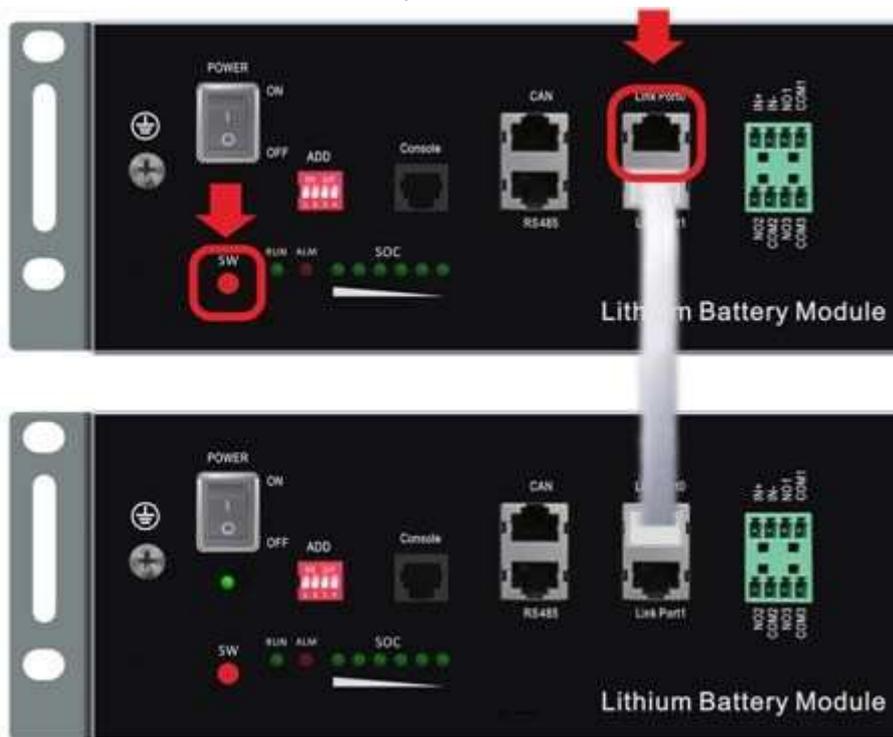




(2) The one with **empty Link Port 0** is the **Master Battery** Module, others are slaves (1 master battery configure with maximum 7 slave batteries):



(3) Press the **red button** of **master battery** to power on, all the battery LED light will be on one by one from the Master battery:



If all the battery LED lights on, and then off, which means the battery system is good and working.

C. Installation with bracket:



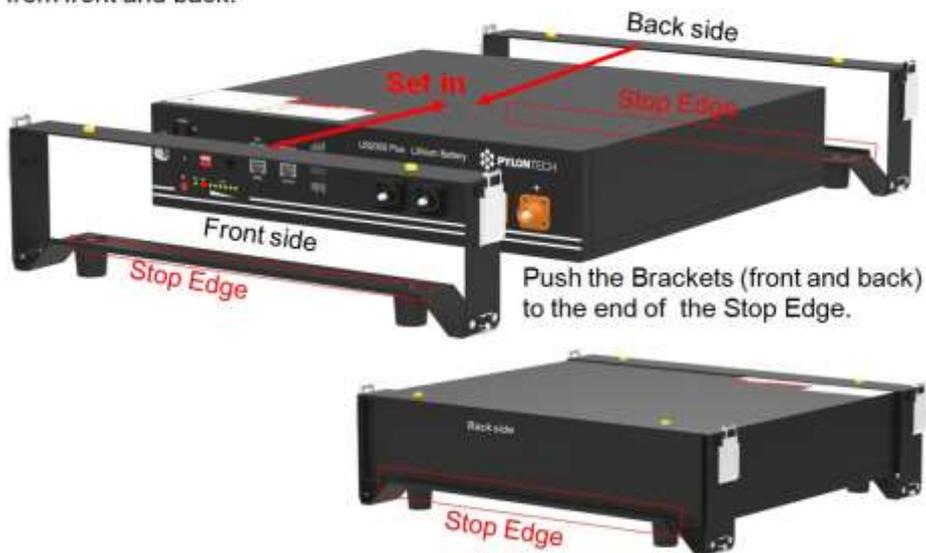


1. Dismantle the 2 tabs on the battery.

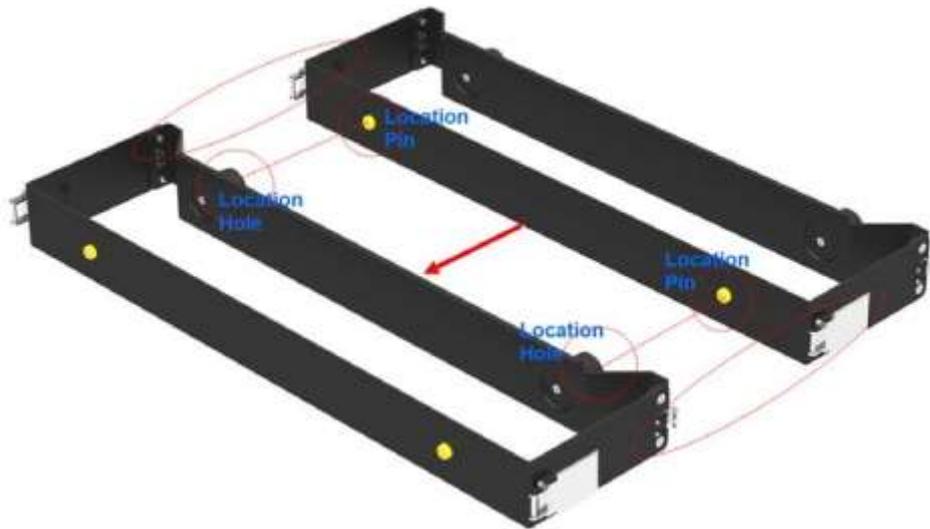


Dismantle 8 screws.

2. Set the battery into 2 pcs **Bracket** from front and back.



Push the Brackets (front and back) to the end of the Stop Edge.



Aim at the 4 pare of Location Pin and Location Hole, stack the batteries together. And hasp the 4 agraffes together.

Maximum 4 batteries can be athwart stacked:



One or two batteries can be sidelong stacked :



Cables connection and batteries system start are same as cabinet installation.

NOTE

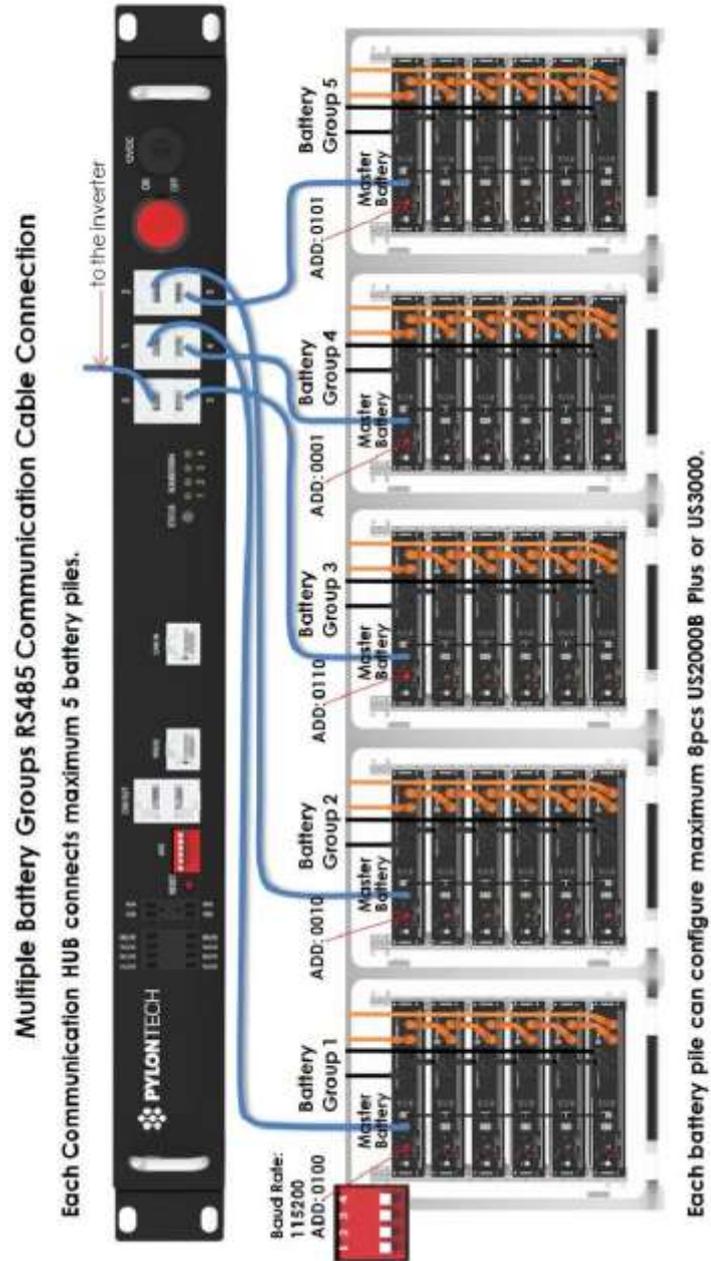
After installation, do not forget to

register online for full warranty: <http://www.pylontech.com.cn/service/support>

NOTE

- To start the system, if has grid power, it should turn on the inverter at first, to avoid current pulse of the inverter add on the battery bank.
- Between battery bank and inverter should install breaker to protect system safety.
- All the installation and operation must follow local electric standard.

D. Multiple Battery Groups CAN/RS485 Communication Cable Connection



5. Trouble Shooting Steps

5.1 Problem determination based on:

- 1) Whether the battery can be turned on or not;
- 2) If battery is turned on, check the red light is off, flashing or lighting;
- 3) If the red light is off, check whether the battery can be charged/discharged or not.

5.2 Preliminary determination steps:

- 1) Battery cannot turn on, switch on the lights are all no lighting or flashing.
If the battery external switch is ON, the RUN light is flashing, and the external power supply voltage is 48V or more, the battery still unable to turn on, please contact distributor.
- 2) *The battery can be turned on, but red light is lighting, and cannot charge or discharge. If the red light is lighting, that means system is abnormal, please check values as following:*

a) Temperature: Above 50°C or under -10°C, the battery could not work.

Solution: to move battery to the normal operating temperature range between -10°C and 50°C

b) Current: If current is greater than 100A, battery protection will turn on.

Solution: Check whether current is too large or not, if it is, to change the settings on power supply side.

c) High Voltage: If charging voltage above 54V, battery protection will turn on.

Solution: Check whether voltage is too high or not, if it is, to change the settings on power supply side.

d) Low Voltage: When the battery discharges to 44.5V or less, battery protection will turn on.

Solution: Charge the battery for some time, the red light turn off

Excluding the four points above, if the faulty is still cannot be located, turn off battery and repair.

5.3 The battery cannot be charged or discharged

1) Cannot be charged:

Disconnect the power cables, measure voltage on power side, if the voltage is 53~54V, restart the battery, connect the power cable and try again, if still not work, turn off battery and contact distributor .

2) Unable to discharge:

Disconnect the power cables and measure voltage on battery side, if it is under 44.5V, please charge the battery; if voltage is above 48V and still cannot discharge, turn off battery and contact distributor.

6. Emergency Situations

1) Leaking Batteries

If the battery pack leaks electrolyte, avoid contact with the leaking liquid or gas. If one is exposed to the leaked substance, immediately perform the actions described below.

Inhalation: Evacuate the contaminated area, and seek medical attention.

Contact with eyes: Rinse eyes with flowing water for 15 minutes, and seek medical attention.

Contact with skin: Wash the affected area thoroughly with soap and water, and seek medical attention.

Ingestion: Induce vomiting, and seek medical attention.

2) Fire

NO WATER! Only dry powder fire extinguisher can be used; if possible, move the battery pack to a safe area before it catches fire. **3) Wet Batteries**

If the battery pack is wet or submerged in water, do not let people access it, and then contact Pylontech or an authorized dealer for technical support.

4) Damaged Batteries

Damaged batteries are dangerous and must be handled with the utmost care. They are not fit for use and may pose a danger to people or property. If the battery pack seems to be damaged, pack it in its original container, and then return it to Pylontech or an authorized dealer.

NOTE

Damaged batteries may leak electrolyte or produce flammable gas. If such damage occurs, please contact Pylontech: service@pylontech.com.cn



PYLONTECH

Pylon Technologies Co., Ltd.

No. 73, Lane 887, ZuChongzhi Road, Zhangjiang Hi-Tech Park

Pudong, Shanghai 201203, China

T +86-21-51317697 | F +86-21-51317698

E service@pylontech.com.cn

W www.pylontech.com.cn