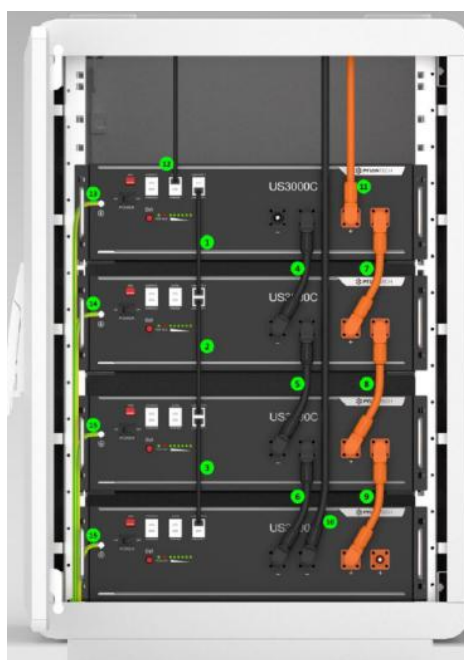**Question :** I have 12 US3000 before, which were divided into 3 groups and connecting to 1 LV-HUB. Now I just added 4 US3000C in the system. I have tried 2 connection ways:

1. I put the 4 US3000C as the fourth group but the LV-HUB cannot recognize this group.

2. 2. I add the US3000C in the existing 3 groups and has used them as masters but the LV-HUB gives me a red alarm. How could I solve this?
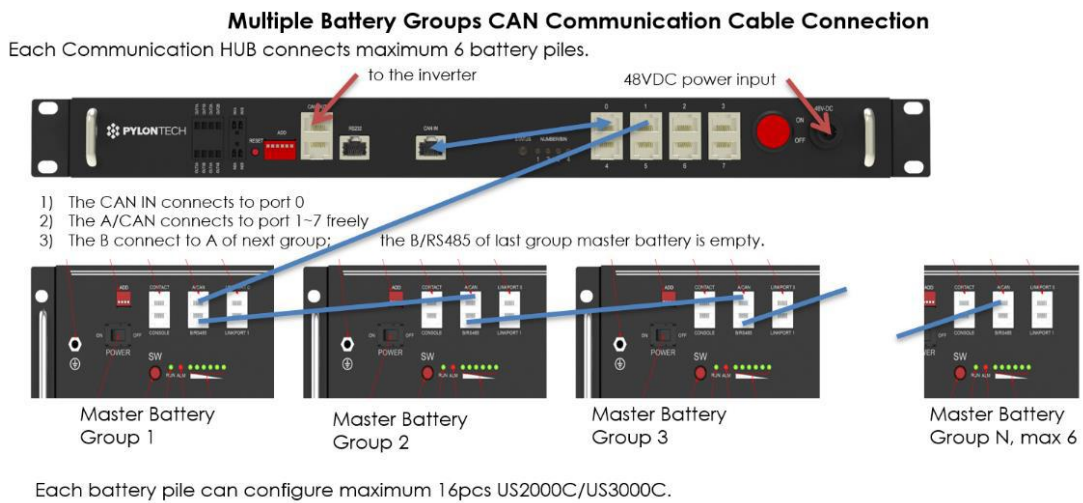
**Answer:** Actually, US3000C has a totally different HUB cable connection method with US3000. The basic rule is still: Please use the C-version batteries as masters. So you can connect the system in this way:

1. Divide the 16 batteries to 2 groups. The first group contains 2 US3000C(one as master) and 6 US3000(slave). The 2nd group also contains 2 US3000C(one as master) and 6 US3000(slave).The cable connection for each group is the same as before. Link port 1 from previous battery should be connected to Link port 0 of the latter one. Parallel connect the power cables.

2. Then connect the 2 group batteries in parallel. Note that the cable connection is changed.



**Multiple Battery Groups CAN Communication Cable Connection**

Each Communication HUB connects maximum 6 battery piles.

to the inverter    48VDC power input

1) The CAN IN connects to port 0
2) The A/CAN connects to port 1~7 freely
3) The B connect to A of next group;    the B/RS485 of last group master battery is empty.

Master Battery Group 1    Master Battery Group 2    Master Battery Group 3    Master Battery Group N, max 6

Each battery pile can configure maximum 16pcs US2000C/US3000C.

Attention that US3000C has different pin definitions, so the communication cable between the master battery in first group and LV-HUB should be changed. The first 3 pins of the port on battery side should be NULL!



**Multiple Battery Groups CAN Communication Cable Connection**

Each Communication HUB connects maximum 6 battery piles.

to the inverter    48VDC power input

1) The CAN IN connects to port 0
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The first 3 pins on the port of battery side should be NULL!

Master Battery Group 1    Master Battery Group 2    Master Battery Group 3    Master Battery Group N, max 6

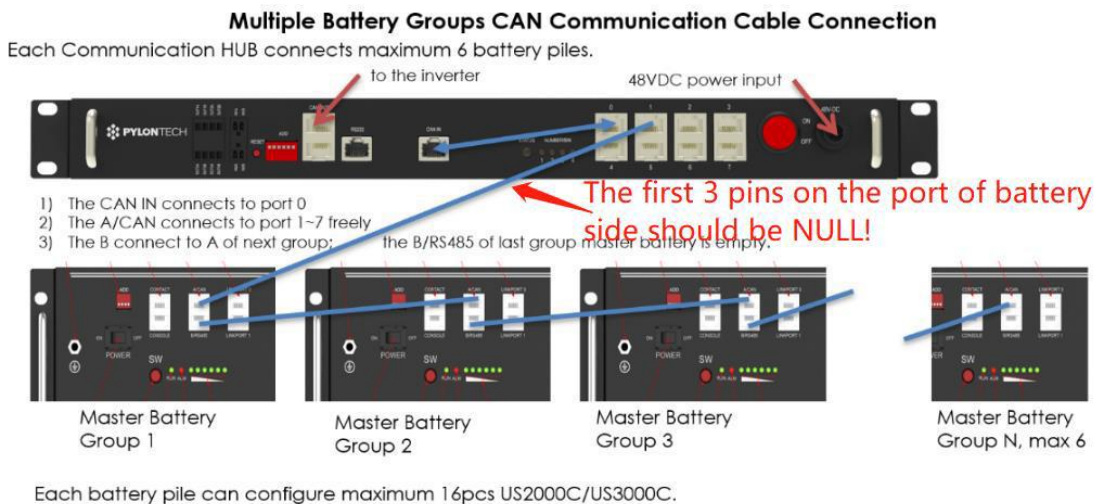Each battery pile can configure maximum 16pcs US2000C/US3000C.

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3. The system switch-on process is also different. After finishing all the power cable connection, you should:

Make sure all dipswitch is 0000, then turn ON batteries.

After all batteries running and buzzer of master battery in group1 rings 3 times. Means all groups are online.

Then change the dip switch of master battery in group1 to 0100.

Then connect communication cable between LV-HUB and master battery in group 1.

Then turn ON LV-HUB.