

Thank You for Your Purchase :) We hope this document helps with setting up the battery to the inverter

6.3 Connect Batteries in Parallel



- * Ensure that all batteries are in off mode and battery breakers are turned off.
- * Ensure that no cable is twisted after batteries are wired.
- * The batteries shall be manufactured within one year and have a cycle difference less than 300.

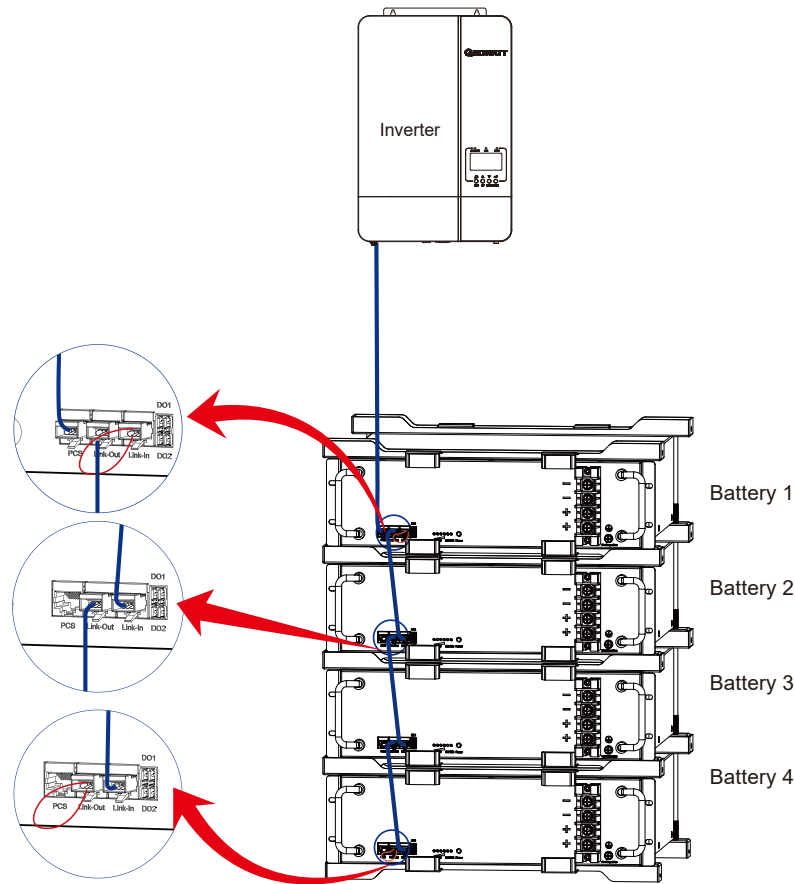
Step 1 Confirm that the voltage difference is not greater than 1V.

1. Power on the batteries without load and use a multi-meter to measure their voltages.
2. If the voltage difference is greater than 1V, charge the battery with lower voltage.
3. Power off the batteries.

Step 2 Connect network cables.

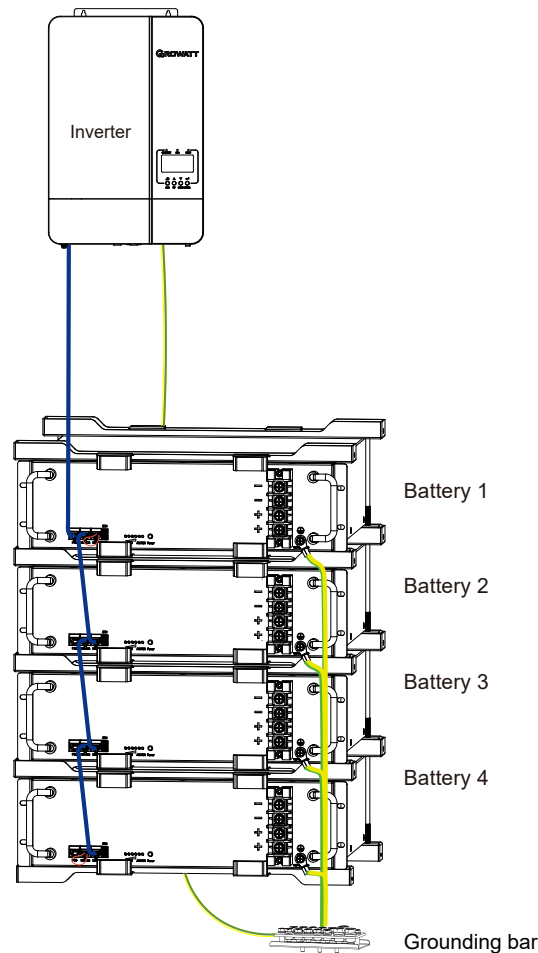
1. Insert one end of network cable A into the **PCS** port of **Battery 1** and the other end into the network port of the inverter.
2. Insert a terminator (a crystal plug with pin 4 and pin 5 short circuited) into **Link-In** of **Battery 1**.
3. Use network cable B to connect the **Link-Out** port of **Battery 1** and the **Link-In** port of **Battery 2**. Connect the rest batteries in a similar way till the last one is connected.
4. Insert a terminator (a crystal plug with pin 4 and pin 5 short circuited) into **Link-Out** of **Battery 4**.

If only one battery is used, Connect the network cable from BMS on the Inverter, to PCS on the battery. Use the terminator on Link-In and Link-Out on the battery.



Step 3 Connect grounding wires.

Connect the grounding terminal of each battery to the grounding bar.



STEP 4 Inverter Settings Required

1. Power-up the system after connecting the battery comms
2. Set Program 5 to "Li" and press Enter
3. You will be directed to Program 36.
4. Change Program 36 to "L51"
5. The system should now work and start charging the batteries. If it does not work, please reboot the system.

If error 19 still shows after making the changes, it could mean the batteries are too low, please allow some time for batteries to charge.