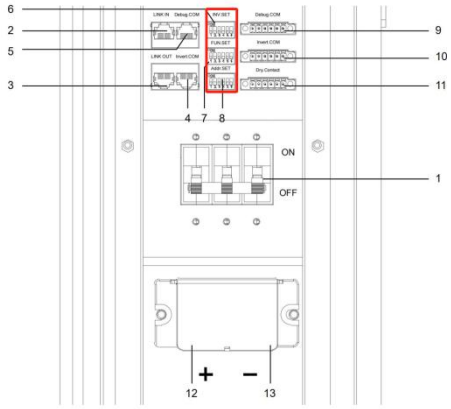
Xcellent plus with Growatt inverter

1、Battery dial setting



Battery switch position

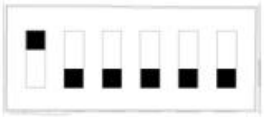
1) Inverter dial

13		Growatt_SPH&SPA	Growatt

When batteries are in parallel, only need to set the master battery to the above dip switch, and the slave batteries do not need to be moved.

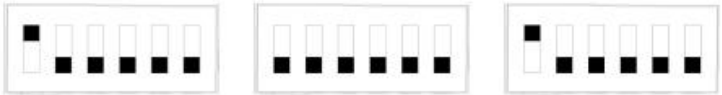
2) Function dial

Single Xcellent plus battery



Single device	#1	#2	#3	#4	#5	#6
Device FUN.SET dial code	1	0	0	0	0	0

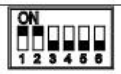
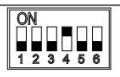
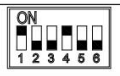
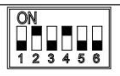
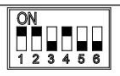
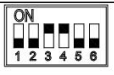
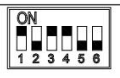
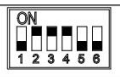
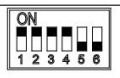
Three Xcellent plus batteries for reference:



When 3 devices in parallel	#1	#2	#3	#4	#5	#6
The first device	1	0	0	0	0	0
The second device	0	0	0	0	0	0
The third device	1	0	0	0	0	0

The Function dial of the master and last slave battery should be set as 100000, and the other slave batteries are set to 000000.

3) Address dial

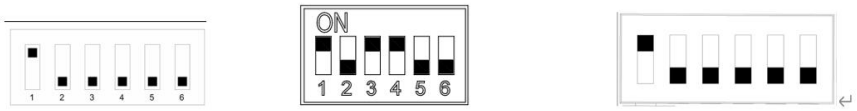
Code	Dial Switch Position	Definition
1		Set as battery 1 (communicate with inverter by this battery)
2		Set as battery 2
3		Set as battery 3
4		Set as battery 4
5		Set as battery 5
6		Set as battery 6
7		Set as battery 7
8		Set as battery 8
9		Set as battery 9
10		Set as battery 10
11		Set as battery 11
12		Set as battery 12
13		Set as battery 13
14		Set as battery 14
15		Set as battery 15

Similarly, dial the codes according to the battery sequence when paralleling, up to 15 units.

Example：DIP switch for three batteries in parallel (Master as first one，slave 1 as second one，slave 2 as third one，and so on).

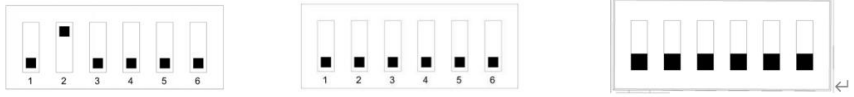
Master:

ADD INV FUN



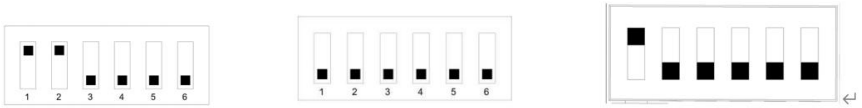
Slave1:

ADD INV FUN

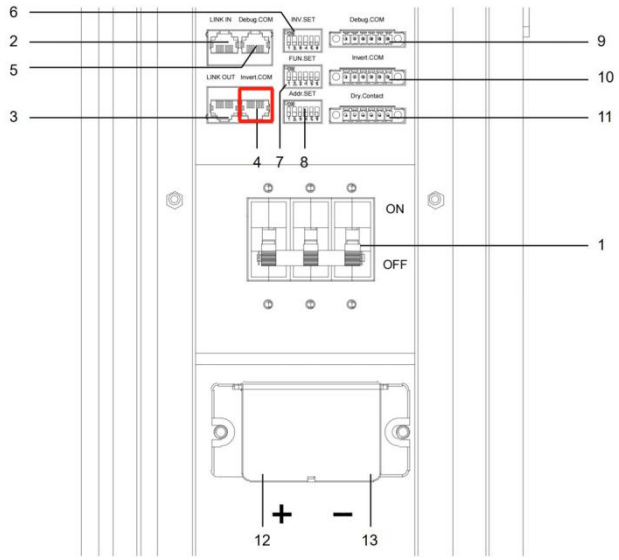


Slave2:

ADD INV FUN

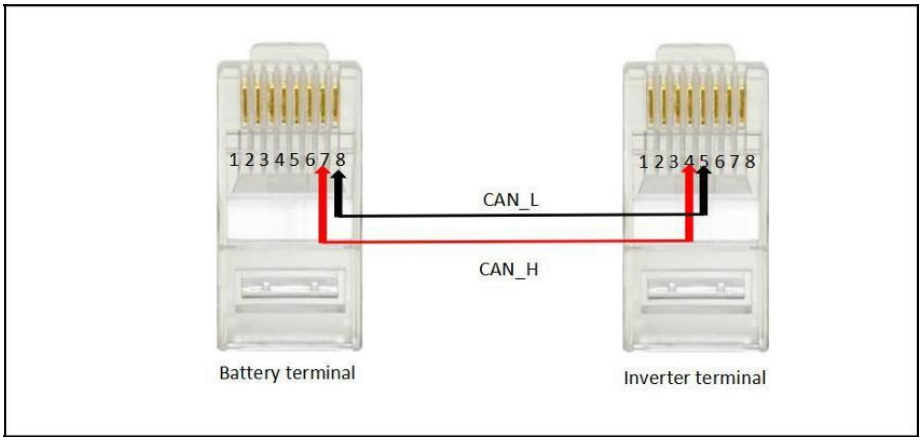


2、Battery and inverter communication line settings



Battery and inverter wiring battery terminal interface point

Battery and inverter wiring interface point on the Victron inverter side



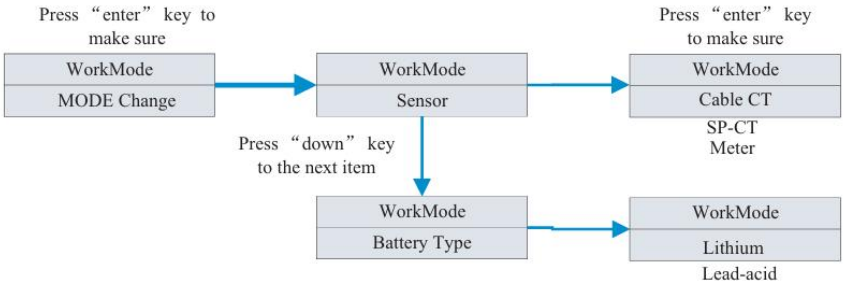
The wiring sequence of the battery and inverter ends.

If you choose this box to connect battery and inverter, please dial the following.

	Growatt_SPH&SPA	CAN

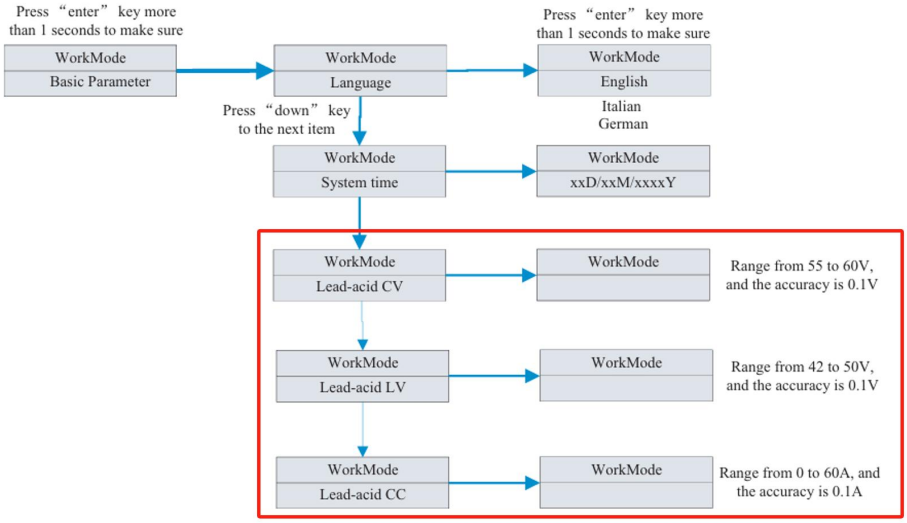
3、Inverter settings

1) Inverter settings for batteries



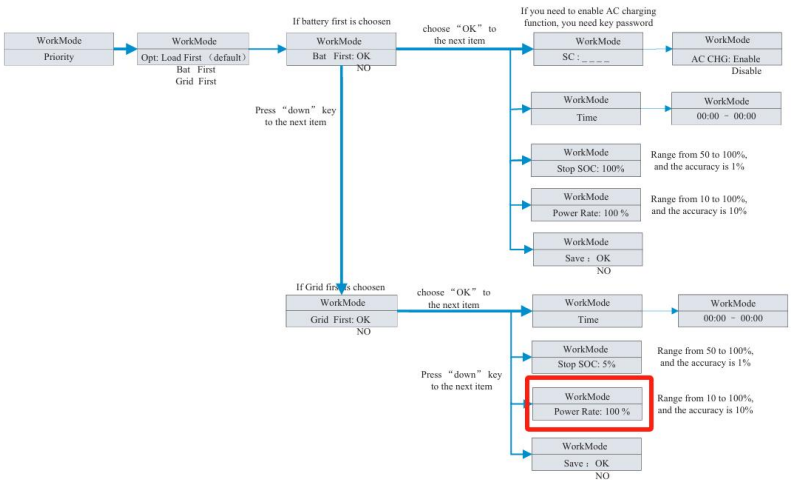
There are two options under the "MODEL change" menu, in the battery type option, choose lithium battery.

2) Inverter settings for batteries



In the basic parameter section, the lithium battery's charge voltage (CV) is set to 56.8V, the lower limit voltage of the discharge (LV) is set to 46.4V, and the constant current of the lithium battery (CC) is set to 90A (4600/51.2).

3) Inverter settings for batteries



Set the power rate to 100%.

The other values of inverter can be set according to the customer's own needs.