

Communication Guide for Felicity Battery and Victron Inverter

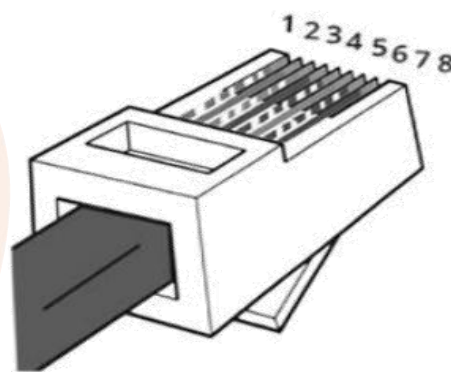
CAN Matched Hybrid Inverter Brands

Brand	Note	Communication protocol	Cable Supply
Victron	To ensure successful communication, please use this Cerbo GX box to communicate with our battery. 	CAN	RJ45

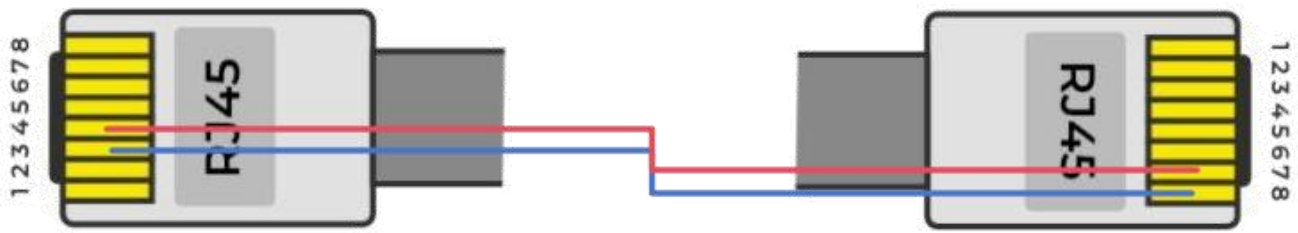
(1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	Victron
CAN_L	Pin3	Pin8
CAN_H	Pin4	Pin7

(Order of Communication Cable)



(RJ45 Pin Sequence)

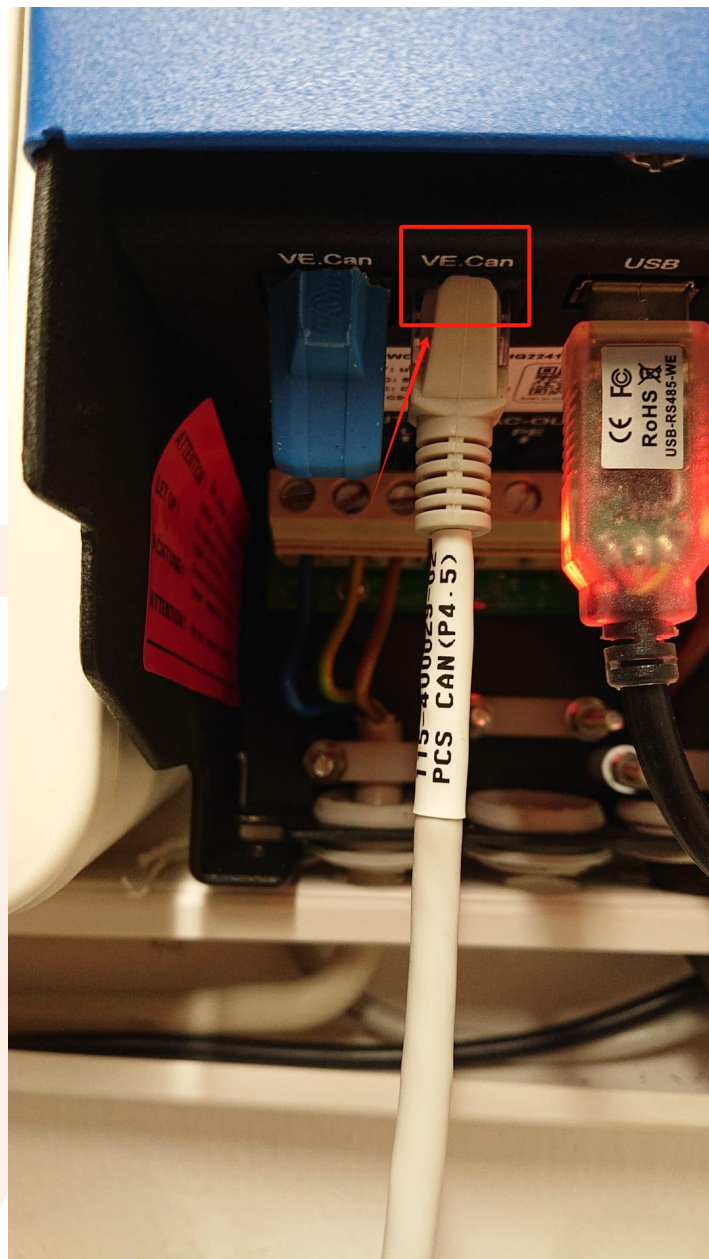


Battery Side

Inverter Side

(CAN Communicate Cable Connection)

For Victron inverter, pls plug the “Inverter Side” into “VE CAN” port like below picture



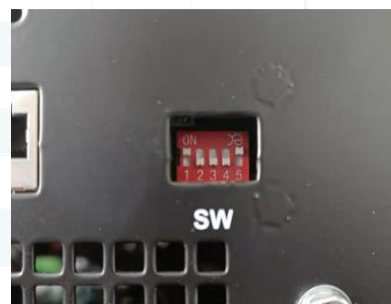
For Cerbo GX Box, pls plug the “Inverter Side” into “BMS CAN” port like below picture



(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch

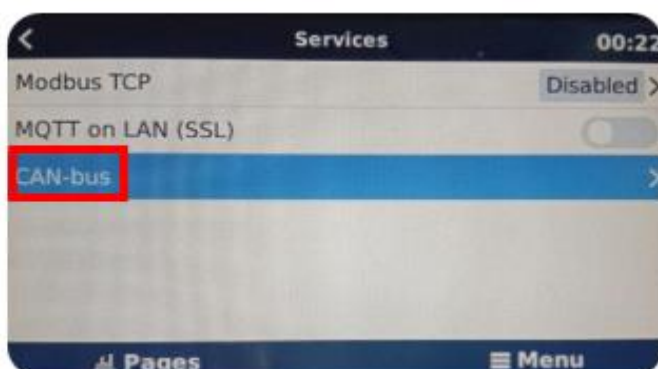
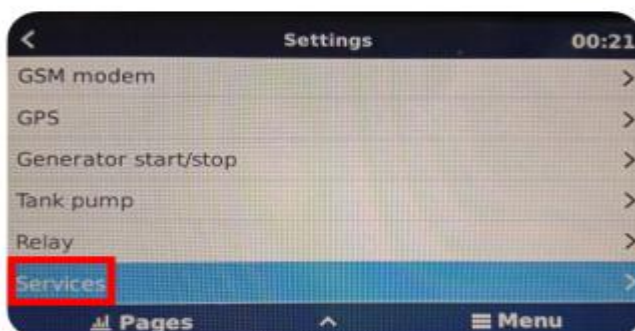
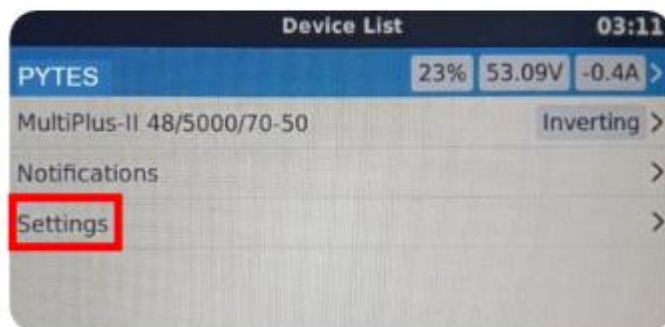
No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2, 5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON					
8 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4,5 ON				
9 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4,5 ON			
10 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4,5 ON		
11 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON	
12 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1, 2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON



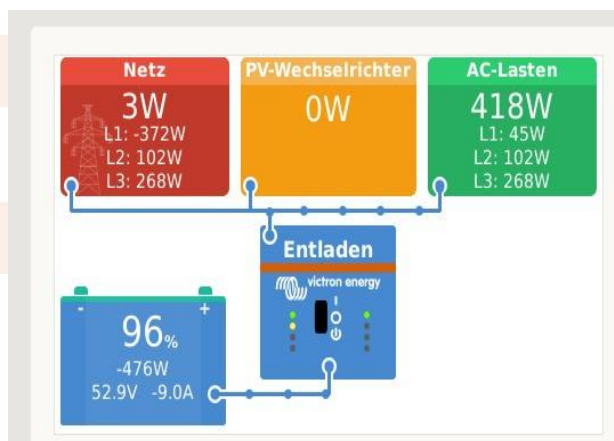
Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

Note: The setting takes effect only after the battery is restarted

(3) After successful communication, you can operate the below settings.



(4) After above settings, you can see battery information on the Victron display



Geräteliste				21:42
MultiPlus-II 48/3000/35-32			Bulk	>
Pylontech battery	96%	52.90V	-8.8A	>
SMA Solar Inverter			0W	>
SMA-EM Speedwire Bridge			6.1	>
Benachrichtigungen				>
Einstellungen				>
Seiten				Menü