Communication Guide for Felicity Battery and Sol-Ark Inverter

| CAN Matched Hybrid Inverter Brands			
Brand	Model	Communication protocol	Cable Supply
Sol-Ark	Sol-Ark 15K-2P-N Sol-Ark 12K / 8K / 5K (Outdoor) Sol-Ark 12K / 8K Legacy (Indoor)	CAN	RJ45

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

	FelicityESS	Luxpower
CAN_L	Pin3	Pin5
CAN_H	Pin4	Pin4

(Order of Communication Cable)

(RJ45 Pin Sequence)

Battery Side .... Inverter Side

(CAN Communicate Cable Connection)
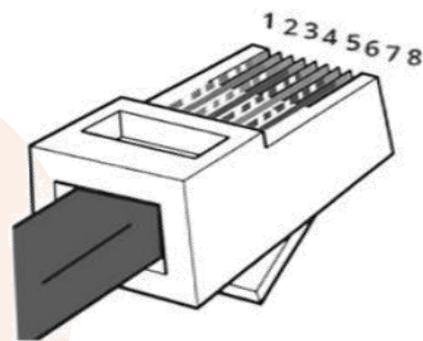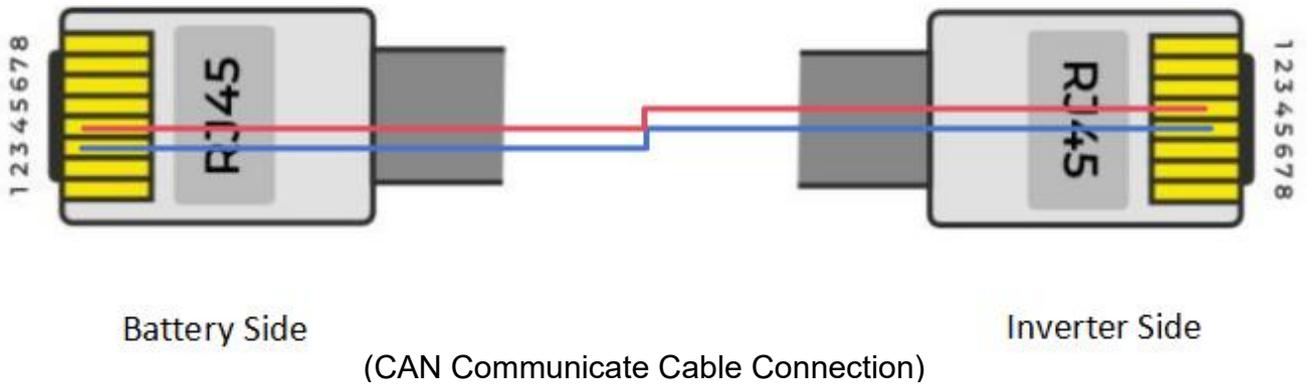
(2) Set the battery DIP switch according to the table below.

Parallel DIP Switch

| No.of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1PCS	1,5 ON											
2PCS	1,5 ON	2,5 ON										
3PCS	1,5 ON	2 ON	1,2,5ON									
4PCS	1,5 ON	2 ON	1,2 ON	3,5ON								
5PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5ON							
6PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3,5ON						
7PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5ON					
8PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4,5ON				
9PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4,5ON			
10PCS	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	2,4,5ON		
11PCS	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	1,2,4,5ON	
12PCS	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	3,4,5ON
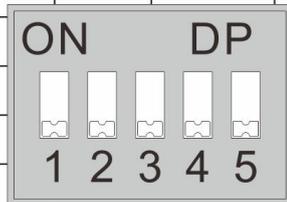
Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

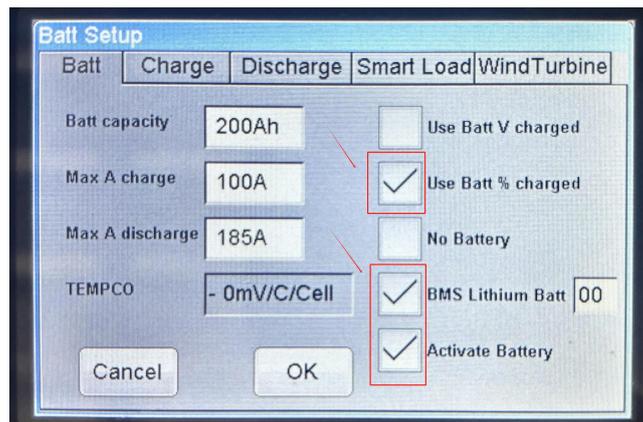Note: The setting takes effect only after the battery is restarted

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(3) Set up on the inverter according to the following procedure
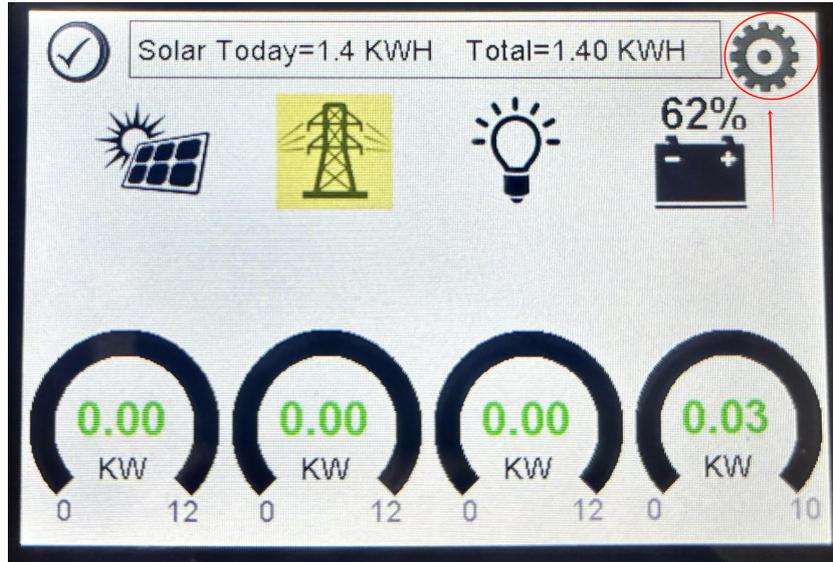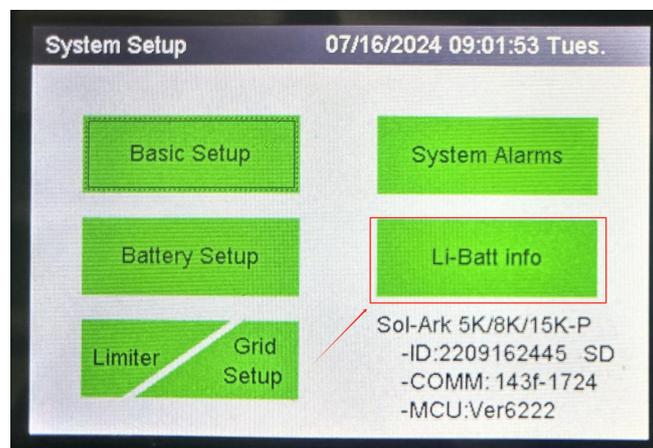

Step 1：Upper right corner to enter the settings interface
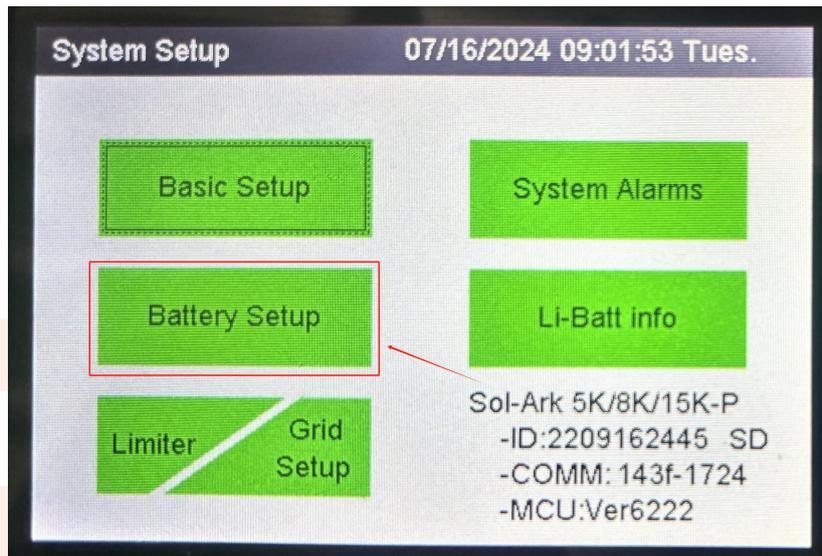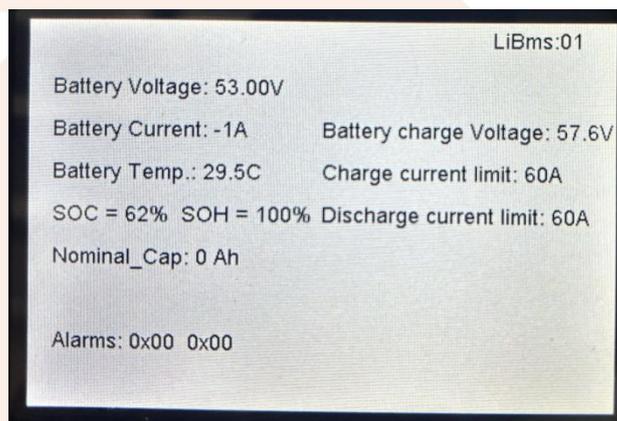

Step 2：Enter the Battery Setup screen

Step 3：Tick the three options on the right side of above picture

Step 4：Return to the previous page to enter the Li-Batt info screen

If the communication is successful, you can see the basic information of the battery