

Communication Guide for Felicity Battery and Deye Inverter

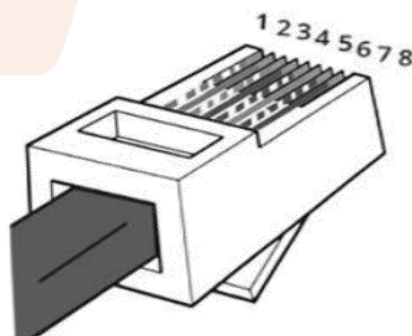
RS485 Matched Hybrid Inverter Brands

Brand	Model	Communication protocol	Cable Supply
Deye	SUN-3 / 3.6 / 5 / 6 K-SG04LP1- EU. SUN-3.6 / 5 / 6 K-SG03LP1-EU. SUN-3.6 / 5 / 6 / 7.6 / 8 K SG05LP1-EU. SUN-5 / 6 K-SG01LP1-US. SUN-7.6 / 8 K-SG01LP1-US/EU. SUN-5 / 6 / 8 / 10 / 12 K SG04LP3-EU. SUN-12 / 14 / 16 K-SG01LP1-EU.	RS485	RJ45

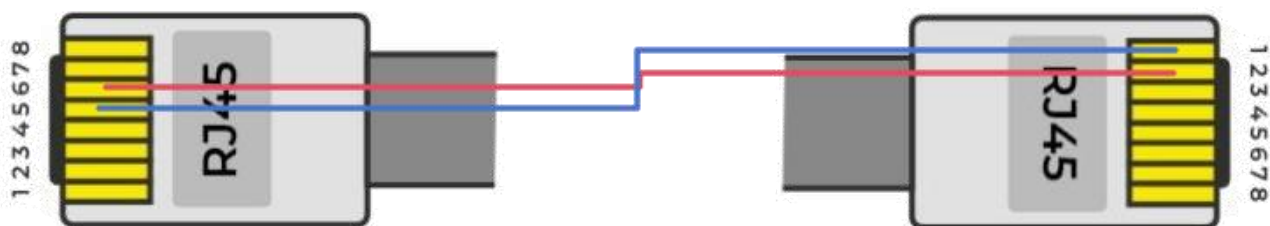
(1) The corresponding communication pins are defined in the following table. You can make communication cables according to this table.

	FelicityESS	Deye
RS485A	Pin6	Pin2
RS485B	Pin5	Pin1

(Order of Communication Cable)



(RJ45 Pin Sequence)



Battery Side

Inverter Side

(RS485 Communicate Cable Connection)

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

Parallel DIP Switch



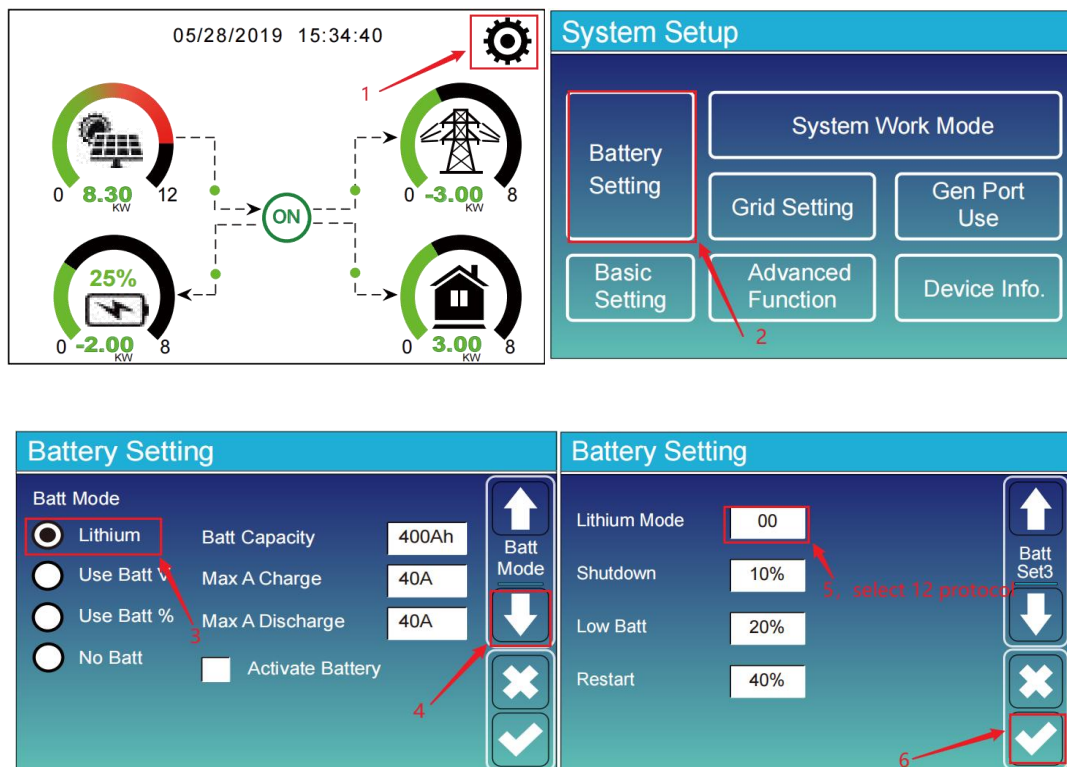
No. of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1 PCS	1,5 ON											
2 PCS	1,5 ON	2,5 ON										
3 PCS	1,5 ON	2 ON	1,2,5 ON									
4 PCS	1,5 ON	2 ON	1,2 ON	3,5 ON								
5 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON							
6 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3, 5 ON						
7 PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 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) Follow the instructions below to set up the inverter



(4) After successful communication, you can see the battery information on the display screen.

