

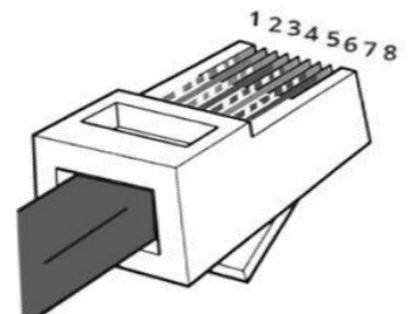
Communication Guide for Felicity Battery and Deye Inverter

CAN Matched Hybrid Inverter Brands

Brand	Model	Communication protocol	Cable Supply
Deye	SUN-3 / 3.6 / 5 / 6 K-SG04LP1- EU.	CAN	RJ45
	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.		

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

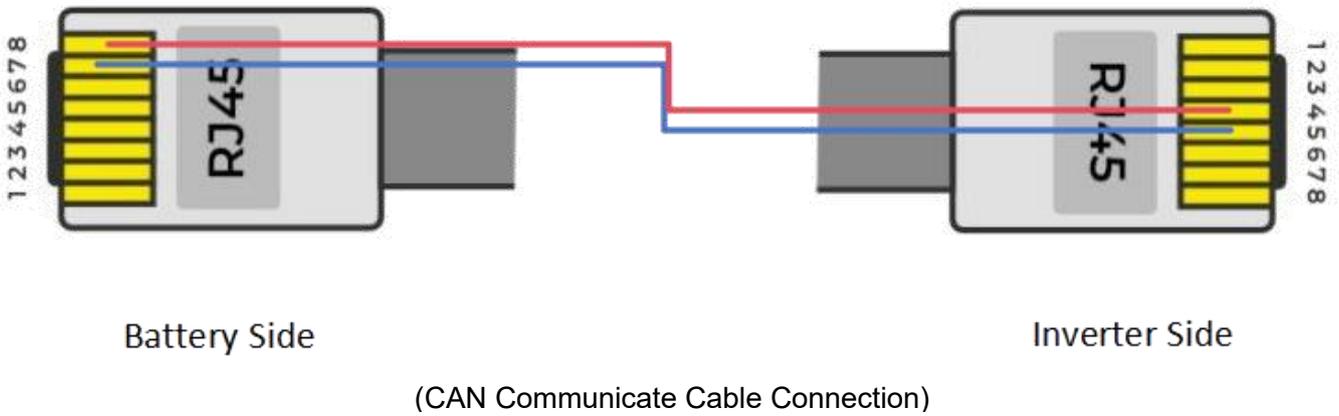
Model	Felicity EC and LPBA48100-OL (LUX-E-48100LG04)	FelicityESS other low voltage model batteries	Deye
CAN_L	Pin7	Pin3	Pin5
CAN_H	Pin8	Pin4	Pin4



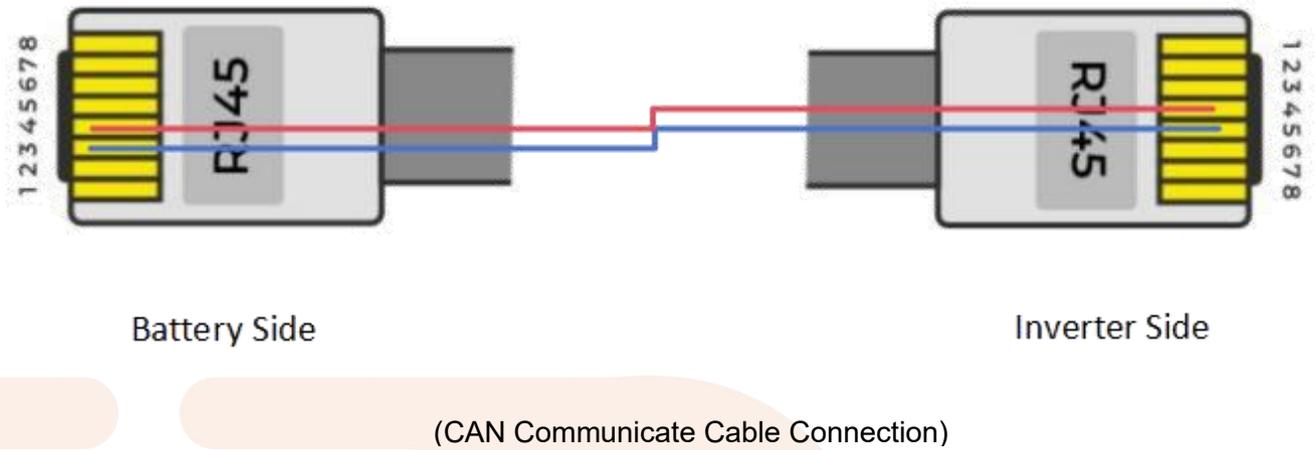
(Order of Communication Cable)

(RJ45 Pin Sequence)

Felicity EC and LPBA48100-OL (LUX-E-48100LG04)



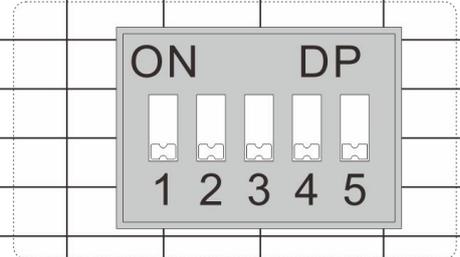
FelicityESS other model batteries



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

Parallel DIP Switch

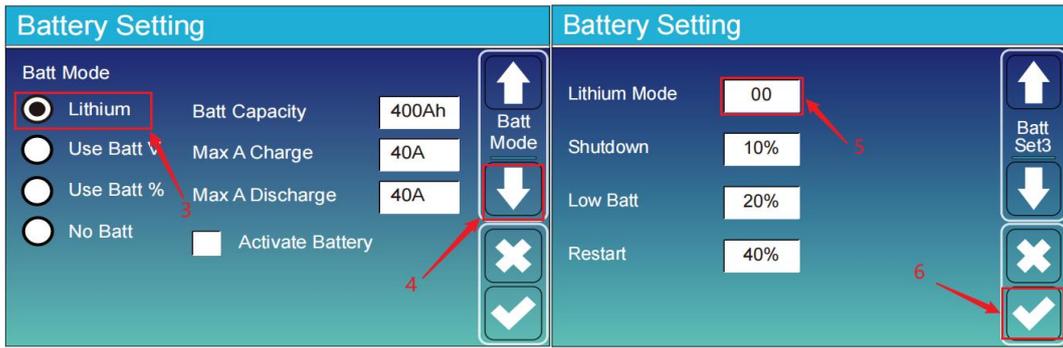
No.of BAT	1	2	3	4	5	6	7	8	9	10	11	12
1PCS	1,5 ON											
2PCS	1,5 ON	2,5 ON										
3PCS	1,5 ON	2 ON	1,2,5ON									
4PCS	1,5 ON	2 ON	1,2 ON	3,5ON								
5PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5ON							
6PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3,5ON						
7PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5ON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



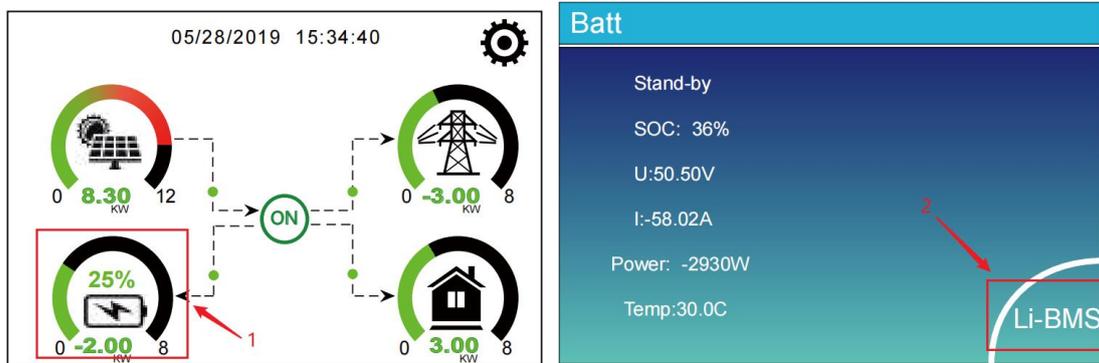
Note: The inverter needs to be connected to the first battery, that is, the battery pack with the 1,5 ON.

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

(3) Follow the instructions below to set up the inverter.



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



Li-BMS	
Mean Voltage:50.34V	Charging Voltage :53.2V
Total Current:55.00A	Discharging Voltage :47.0V
Mean Temp :23.5C	Charging current :50A
Total SOC :38%	Discharging current :25A
Dump Energy:57Ah	

Sum Data

Details Data