

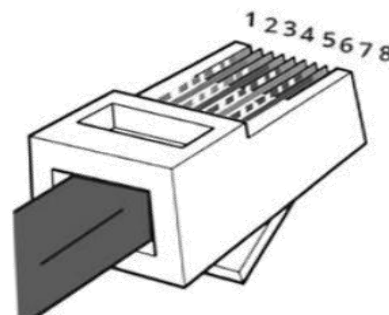
Communication Guide for Felicity Battery and MPPsolar Inverter

RS485 Matched Hybrid Inverter Brands			
Brand	Model	Communication protocol	Cable Supply
MPPsolar	PIP-MT series	RS485	RJ45
	U-GK/U-MS series		
	PIP-MKX series		
	PIP-MAX series		
	PIP-MGX series		
	PIP-MK series		
	PIP-GK series		

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

	FelicityESS	MPPsolar
RS485A	Pin6	Pin4
RS485B	Pin5	Pin5

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