

Appendix

1. Matching list:

V1.0 August.2, 2023

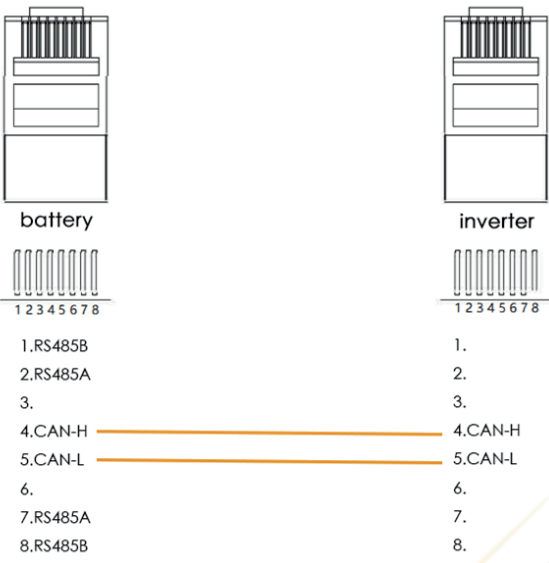
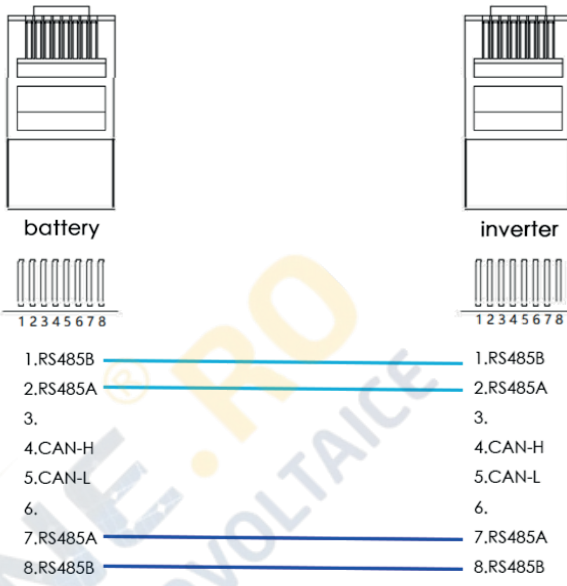
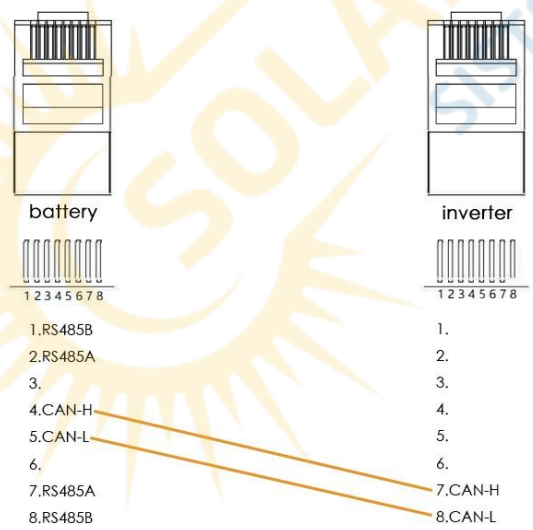
Compatibility list

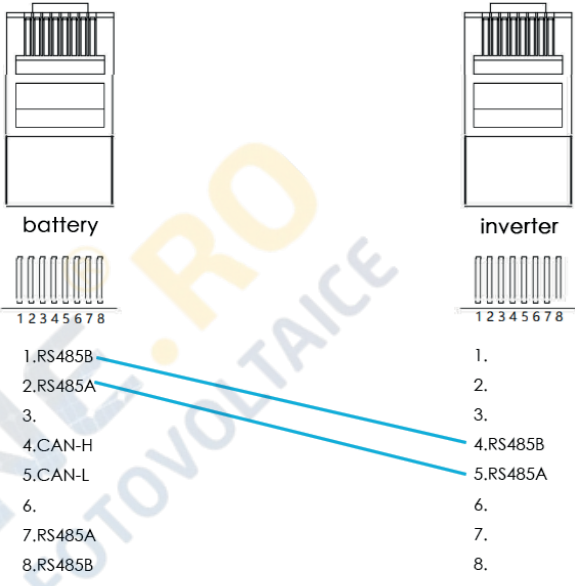
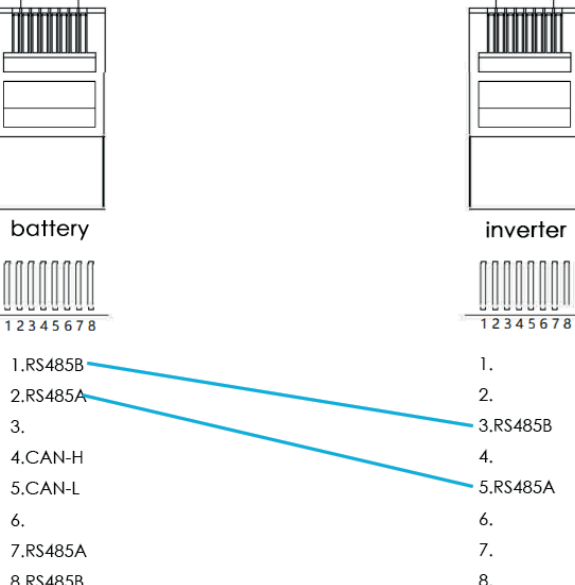
Victron		Deye		Afore		Solis	
Voltronic		Studer		SRNE		MUST	
Goodwe		Kelong		SMT		SMA	
Megarevo		Growatt		hoymiles		Luxpower	
APS		Ingeteam		Sol-Ark			



2. Pin Number:

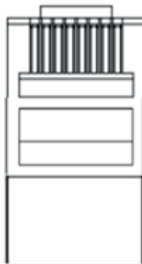
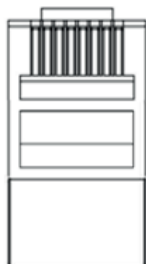
PinNumber	Batthey RS485	Battery CAN	Deye Sol-Ark	Voltronic Hybrid	Voltronic Off-grid	Solis/ SMA	Afore
1	RS485B		RS485B				
2	RS485A		RS485A				
3	GND				RS485B		RS485A
4		H	H	RS485B		H	H
5		L	L	RS485A	RS485A	L	L
6	GND						RS485B
7	RS485A		RS485A				
8	RS485B		RS485B	GND	GND		
PinNumber	Luxpower/ Hoymiles	SRNE	Growatt	GOODWE	Victron	MUST	Megarevo
1			RS485B	RS485A			
2			RS485A	RS485B			
3							
4	H		H	H			H
5	L	H	L	L		L	L
6		L				H	GND
7		RS485A			H		RS485A
8		RS485B			L		RS485B

	CAN	RS485
Deye Sol-Ark	4-H, 5-L	1- RS485B, 2- RS485A, 2- 7- RS485A, 8- RS485B
	 battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1. 2. 3. 4.CAN-H 5.CAN-L 6. 7. 8.	 battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B
Victron	7-H, 8-L	
	 battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1. 2. 3. 4. 5. 6. 7.CAN-H 8.CAN-L	

	CAN	RS485
Voltronic (On-grid)		4- RS485B,5- RS485A,8-GND
		 battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1. 2. 3. 4.RS485B 5.RS485A 6. 7. 8.
Voltronic (Off-grid) Phocos MPP Solar		3- RS485B,5- RS485A,8-GND
		 battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1. 2. 3.RS485B 4. 5.RS485A 6. 7. 8.

	CAN	RS485
Goodwe	4-H, 5-L	1- RS485A, 2- RS485B
	 Diagram showing CAN pinout for Goodwe. The battery connector has pins 1-8, and the inverter connector has pins 1-8. Orange lines connect 4.CAN-H to 4.CAN-H and 5.CAN-L to 5.CAN-L.	 Diagram showing RS485 pinout for Goodwe. The battery connector has pins 1-8, and the inverter connector has pins 1-8. Blue lines connect 1.RS485B to 1.RS485A and 2.RS485A to 2.RS485B.
Growatt Solis SMA hoymiles	4-H, 5-L	
	 Diagram showing CAN pinout for Growatt, Solis, SMA, and hoymiles. The battery connector has pins 1-8, and the inverter connector has pins 1-8. Orange lines connect 4.CAN-H to 4.CAN-H and 5.CAN-L to 5.CAN-L.	

	CAN	RS485
Luxpower	4-H, 5-L	1- RS485B, 2- RS485A
	battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1. 2. 3. 4.CAN-H 5.CAN-L 6. 7. 8.	battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1.RS485B 2.RS485A 3. 4. 5. 6. 7. 8.
SRNE	5-H, 6-L	7- RS485A, 8- RS485B
	battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1. 2. 3. 4. 5.CAN-H 6.CAN-L 7. 8.	battery 1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B inverter 1. 2. 3. 4. 5. 6. 7.RS485A 8.RS485B

	CAN	
MUST	5-L, 6-H	
	 battery  1 2 3 4 5 6 7 8 1. 2. 3. 4. CAN-H 5. CAN-L 6. 7. 8.  inverter  1 2 3 4 5 6 7 8 1. 2. 3. 4. 5. CAN-L 6. CAN-H 7. 8.	

