

Appendix

1. Matching list:

V3.0.2 Dec. 13, 2022

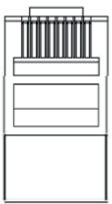

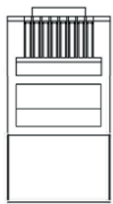

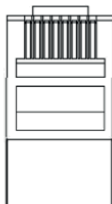

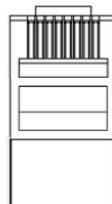

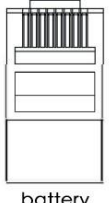



Compatibility list

Victron		Deye		Afore		Solis	
Voltronic		Studer		SRNE		MUST	
Goodwe		Kelong		SMT		SMA	
Megarevo		Growatt		Empty		Luxpower	

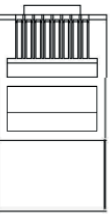



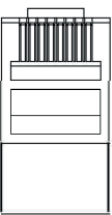









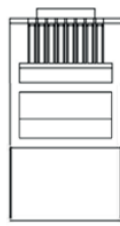

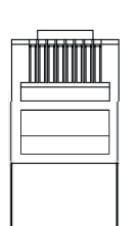
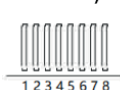
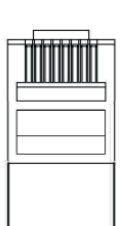



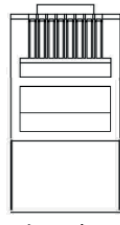

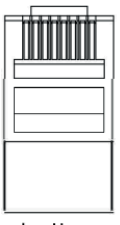

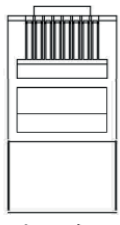

2. Pin Number:

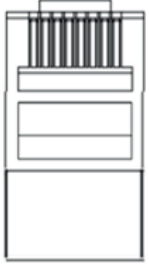



PinNumber	Batthey RS485	Battery CAN	Deye Sol-Ark	Voltronic Hybrid	Voltronic Off-grid	Solis/SMA	Afore
1	RS485B		RS485B				
2	RS485A		RS485A				
3	GND				RS485B		RS485A
4		H	H	RS485B		H	H
5		L	L	RS485A	RS485A	L	L
6	GND						RS485B
7	RS485A		RS485A				
8	RS485B		RS485B	GND	GND		
PinNumber	Luxpower	SRNE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

	CAN	RS485
<h2>Deye Sol-Ark</h2>	<h3>4-H, 5-L</h3>	<h3>1- RS485B, 2- RS485A, 2- 7- RS485A, 8- RS485B</h3>
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>battery</p>  <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B</p> </div> <div style="text-align: center;">  <p>inverter</p>  <p>1 2 3 4 5 6 7 8</p> <p>1. 2. 3. 4.CAN-H 5.CAN-L 6. 7. 8.</p> </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>battery</p>  <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B</p> </div> <div style="text-align: center;">  <p>inverter</p>  <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B</p> </div> </div>
<h2>Victron</h2>	<h3>7-H, 8-L</h3>	
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>battery</p>  <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B</p> </div> <div style="text-align: center;">  <p>inverter</p>  <p>1 2 3 4 5 6 7 8</p> <p>1. 2. 3. 4. 5. 6. 7.CAN-H 8.CAN-L</p> </div> </div>	

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

	CAN	RS485	
Goodwe	4-H, 5-L	1- RS485A, 2- RS485B	
	 <p>battery</p>  <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B</p>	 <p>inverter</p>  <p>1 2 3 4 5 6 7 8</p> <p>1. 2. 3. 4.CAN-H 5.CAN-L 6. 7. 8.</p>	 <p>battery</p>  <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B</p>
Growatt Solis SMA	4-H, 5-L		
	 <p>battery</p>  <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B 2.RS485A 3. 4.CAN-H 5.CAN-L 6. 7.RS485A 8.RS485B</p>	 <p>inverter</p>  <p>1 2 3 4 5 6 7 8</p> <p>1. 2. 3. 4.CAN-H 5.CAN-L 6. 7. 8.</p>	

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

	CAN	
<p>MUST</p>	<p>5-L, 6-H</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>battery</p>  <p>1 2 3 4 5 6 7 8</p> <p>1. 2. 3. 4. CAN-H 5. CAN-L 6. 7. 8.</p> </div> <div style="text-align: center;">  <p>inverter</p>  <p>1 2 3 4 5 6 7 8</p> <p>1. 2. 3. 4. 5. CAN-L 6. CAN-H 7. 8.</p> </div> </div> <p><i>(Note: Yellow lines in the original image connect pin 4 of the battery to pin 6 of the inverter, and pin 5 of the battery to pin 5 of the inverter.)</i></p>	