

## Appendix

### 1. Matching list:

V3.0.3 Aug. 1, 2023

#### Compatibility list

|           |  |         |  |          |  |          |  |
|-----------|--|---------|--|----------|--|----------|--|
| Victron   |  | Deye    |  | Afore    |  | Solis    |  |
| Voltronic |  | Studer  |  | SRNE     |  | MUST     |  |
| Goodwe    |  | Kelong  |  | SMT      |  | SMA      |  |
| Megarevo  |  | Growatt |  | hoymiles |  | Luxpower |  |




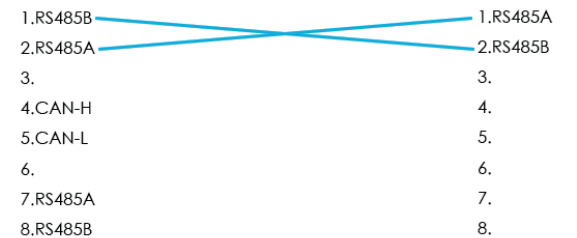



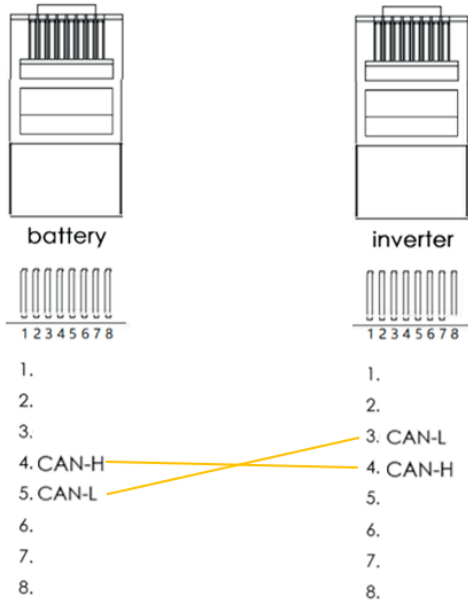
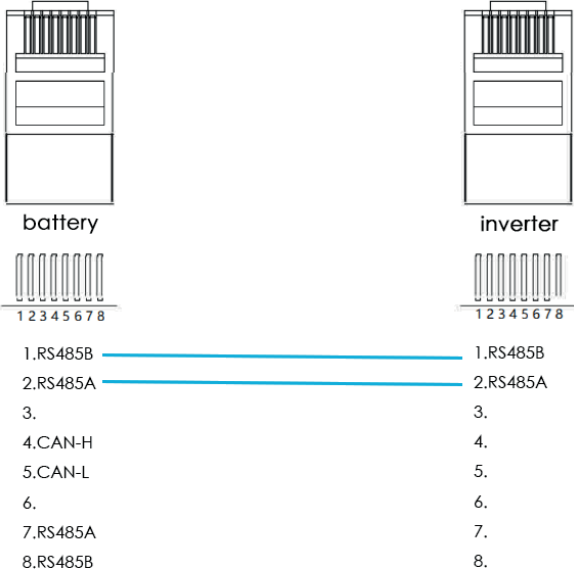
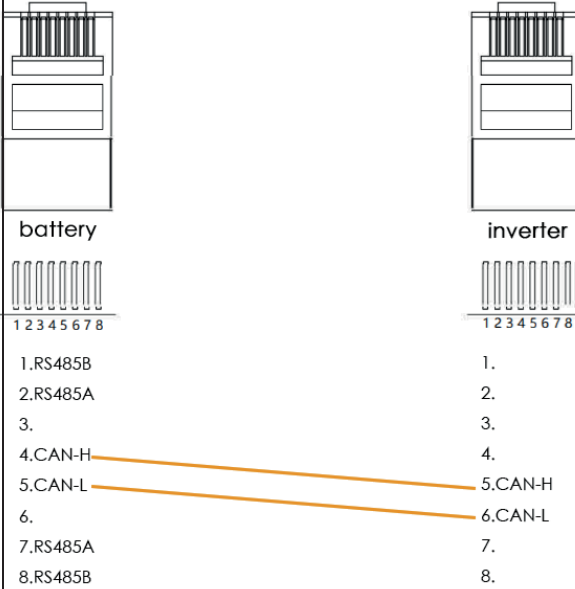
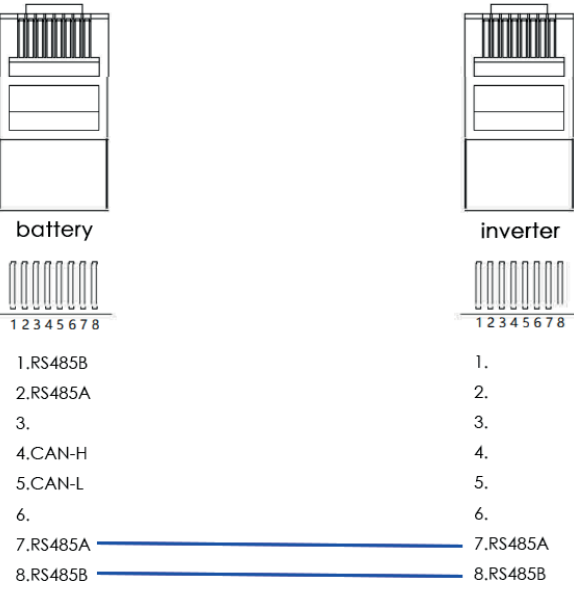
### 2. Pin Number:



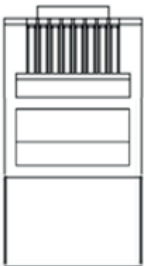

| PinNumber | Battey RS485 | Battery CAN | Deye Sol-Ark | Voltronic Hybrid | Voltronic Off-grid | Solis SMA hoymiles | Afore    |
|-----------|--------------|-------------|--------------|------------------|--------------------|--------------------|----------|
| 1         | RS485B       |             | 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  |
|-----------------|--|--|
| Deye<br>Sol-Ark | 4-H, 5-L   | 1- RS485B, 2- RS485A,<br>2- 7- RS485A, 8- RS485B   |
|                 | <p>battery</p> <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B<br/>2.RS485A<br/>3.<br/>4.CAN-H<br/>5.CAN-L<br/>6.<br/>7.RS485A<br/>8.RS485B</p> <p>inverter</p> <p>1 2 3 4 5 6 7 8</p> <p>1.<br/>2.<br/>3.<br/>4.CAN-H<br/>5.CAN-L<br/>6.<br/>7.<br/>8.</p> | <p>battery</p> <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B<br/>2.RS485A<br/>3.<br/>4.CAN-H<br/>5.CAN-L<br/>6.<br/>7.RS485A<br/>8.RS485B</p> <p>inverter</p> <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B<br/>2.RS485A<br/>3.<br/>4.CAN-H<br/>5.CAN-L<br/>6.<br/>7.RS485A<br/>8.RS485B</p> |
| Victron         | 7-H, 8-L   |  |
|                 | <p>battery</p> <p>1 2 3 4 5 6 7 8</p> <p>1.RS485B<br/>2.RS485A<br/>3.<br/>4.CAN-H<br/>5.CAN-L<br/>6.<br/>7.RS485A<br/>8.RS485B</p> <p>inverter</p> <p>1 2 3 4 5 6 7 8</p> <p>1.<br/>2.<br/>3.<br/>4.<br/>5.<br/>6.<br/>7.CAN-H<br/>8.CAN-L</p> |  |

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

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

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

|      | CAN  |  |
|------|--|--|
| MUST | 5-L, 6-H   |  |
|      | <div><div><p>battery</p><p>1. 2. 3. 4. CAN-H 5. CAN-L 6. 7. 8.</p></div><div><p>inverter</p><p>1. 2. 3. 4. 5. CAN-L 6. CAN-H 7. 8.</p></div></div> |  |
|      |  |  |