

NOTICE: If your battery connect with a Hub, please skip to page 8.

1. Matching list:

Appendix D

V1.0.0 Jul 4, 2022

Compatibility list

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

Graphic The black part is the lever

2. Pin Number:

| PinNumber | Batley RS485 | Battery CAN | Deye Sol-Ark | Voltronic Hybrid | Voltronic Off-grid | Solis | 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 | SMA | Megarevo |
| 1 | RS485B | | RS485B | RS485A | | | |
| 2 | RS485A | | RS485A | RS485B | | | |
| 3 | L | | | | | | |
| 4 | H | | H | H | | H | H |
| 5 | | H | L | L | | L | L |
| 6 | | L | | | | | GND |
| 7 | | RS485A | | | H | | RS485A |
| 8 | | RS485B | | | L | | RS485B |

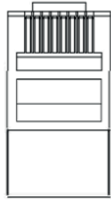
CAN

RS485

4-H, 5-L

1- RS485B, 2- RS485A,
2- 7- RS485A, 8- RS485B

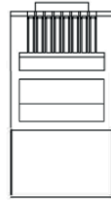
**Deye
Sol-Ark**



battery



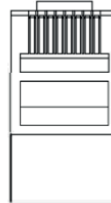
- 1.RS485B
- 2.RS485A
- 3.
- 4.CAN-H
- 5.CAN-L
- 6.
- 7.RS485A
- 8.RS485B



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

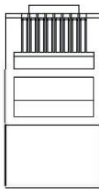


- 1.RS485B
- 2.RS485A
- 3.
- 4.CAN-H
- 5.CAN-L
- 6.
- 7.RS485A
- 8.RS485B



7-H, 8-L

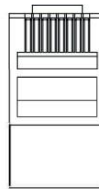
Victron



battery



- 1.RS485B
- 2.RS485A
- 3.
- 4.CAN-H
- 5.CAN-L
- 6.
- 7.RS485A
- 8.RS485B



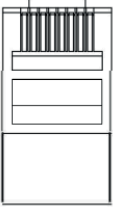

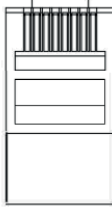

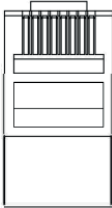

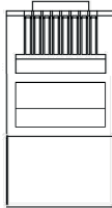

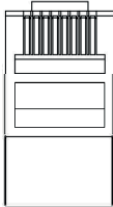

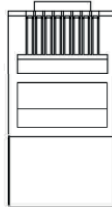

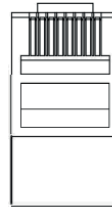

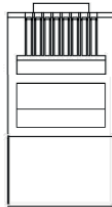

inverter





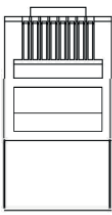

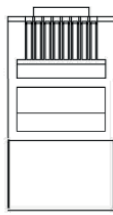

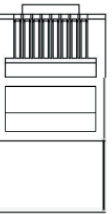

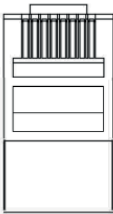

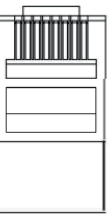

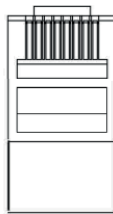



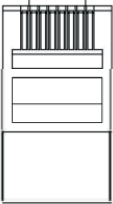

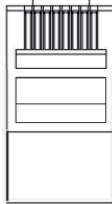

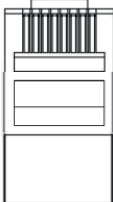

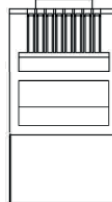

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.CAN-H
- 8.CAN-L

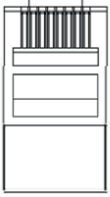
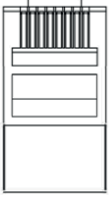
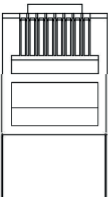
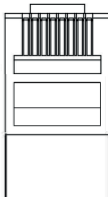
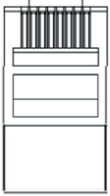
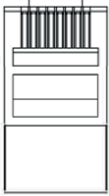
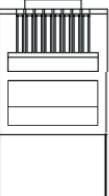
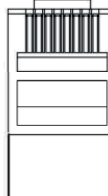


| | CAN | RS485 |
|---------------------------------|---------------------------------------|---|
| Voltronic (On-grid) | | 4- RS485B,5- RS485A,8-GND |
| | | <p>1.RS485B</p> <p>2.RS485A</p> <p>3.</p> <p>4.CAN-H</p> <p>5.CAN-L</p> <p>6.</p> <p>7.RS485A</p> <p>8.RS485B</p> <p>1.</p> <p>2.</p> <p>3.</p>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

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

3. How to connect with a Hub

1) ADD setting on the Hub

Compatibility list

| | | | | | | | |
|-----------|--|--------------|--|-------|--|----------|--|
| Victron | | Deye sol-ark | | Afore | | Solis | |
| Voltronic | | Studer | | SRNE | | Empty | |
| Goodwe | | KeLong | | SMT | | SMA | |
| Megarevo | | Growatt | | Empty | | Luxpower | |

Graphic The black part is the lever

2) ADD setting on the battery

Battery group list

| | | | |
|--------|--|--------|--|
| Group1 | | Group5 | |
| Group2 | | Group6 | |
| Group3 | | Group7 | |
| Group4 | | Group8 | |

Graphic The black part is the lever

3) Communication between Hub and inverter (sequence)

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