

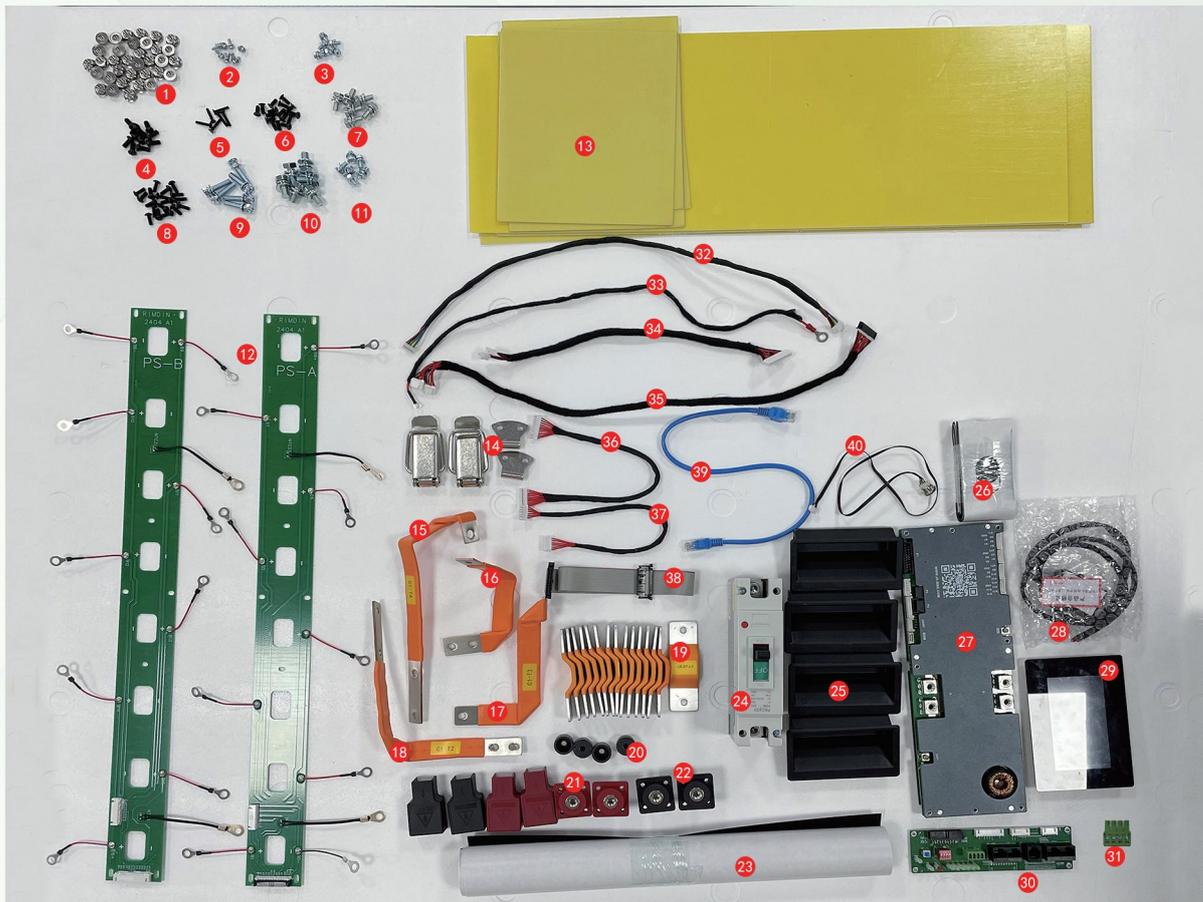
Installation Instructions

C1-(JK)DIY



Please strictly follow the installation procedures
and safety tips in the manual.

1.Accessories list details



- | | |
|------------------------------------|---------------------------------|
| 1.M6 Flange Nut *32 | 21.Red Connector Socket *2 |
| 2.M3x8 Screw *12 | 22.Black Connector Socket *2 |
| 3.M4x8 Screw *12 | 23.PC Film *1 |
| 4.M5x10 Flat Head Screw *8 | 24.Circuit Breaker *1 |
| 5.M3x16 Screw *8 | 25.Handle *4 |
| 6.M4x10 Countersunk Head Screw *24 | 26.PCB Foam Pad *2 |
| 7.M6x14 Screw *4 | 27.BMS *1 |
| 8.M4x10 Flat Head Screw *16 | 28.Aerosol Fire Extinguisher *1 |
| 9.M6x25 Screw *6 | 29.Screen *1 |
| 10.M8x16 Screw *7 | 30.Adapter Board |
| 11.M5x10 Cross Hexagon Screw *13 | 31.Dry Contact Plug |
| 12.PCB Board *2 | 32.Screen Cable |
| 13.Epoxy Board *10 | 33.B+ Harness |
| 14.Latch Buckle *4 | 34.White Sampling Wire *1 |
| 15.Copper Bar C1-T4 *1 | 35.Black Sampling Wire *1 |
| 16.Copper Bar C1-T1 *1 | 36.Adapter Board Cable 1 |
| 17.Copper Bar C1-T3 *1 | 37.Adapter Board Cable 2 |
| 18.Copper Bar C1-T2 *1 | 38.Bluetooth Connection Cable |
| 19.Aluminum Bar *15 | 39.Ethernet Cable *1 |
| 20.Machine Foot *4 | 40.Screen Switch Cable |

2. Box installation accessories

1. Install the latches using flat head M5×10 screws and the handles, then install the mounting feet using Phillips M5×10 screws according to Figure 1. Torque: (6Nm)



Figure 1

2. Install cabinet epoxy board: According to "Figure 2", first tear off the centrifugal paper of the epoxy board adhesive film, and paste it in the corresponding positions in order.

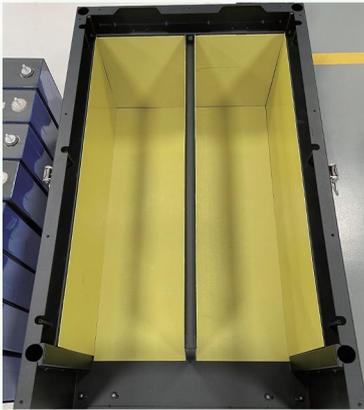


Figure 2

3. As shown in Figure 3, stick the EVA foam and pressure strips to the corresponding surfaces of the battery cell.

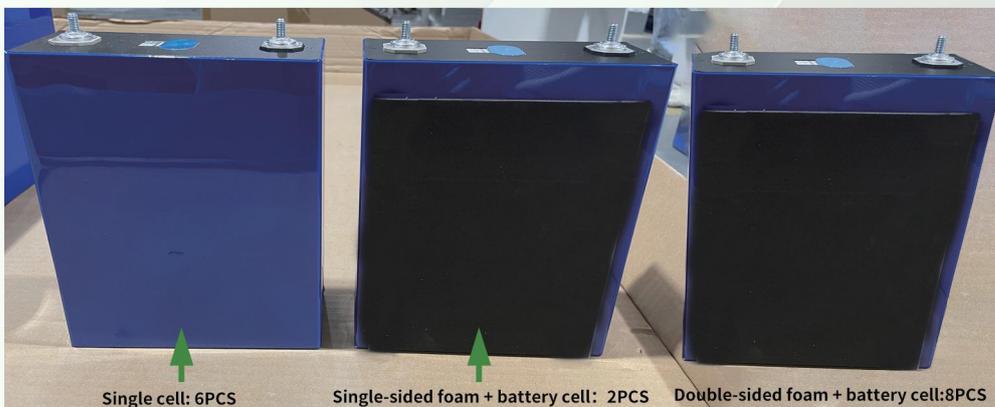


Figure 3

Materials: Latch ×4, Handle ×4, Mounting foot ×4, Epoxy plate ×8, Battery cell ×16, Foam pad ×18, M5×10 flat head screw ×8, M5×10 Phillips screw ×4.

Tools: Electricbatch, 10mmsocket, PH2crossbits, Scissors

3. Cell Stacking

1. Install the battery cell(s) according to Figures 1 and 2.

2. Install the BMS onto the bracket using M3×16 screws according to Figure 3. Torque: (1Nm) , Install busbars C1-T1 and CT-T2 using M6×14 screws. Torque: CT-T2(12Nm) , Install the B+ wiring harness using M3×6 screws. Torque: (1Nm) , Install the adapter plate wiring harness, Bluetooth connection cable, PCB wiring harness, and switch wiring harness to their corresponding positions as shown in Figure 3.

3. Install the bracket onto the battery case according to Figure 4, and secure it with M6×25 screws. Torque: (12Nm)

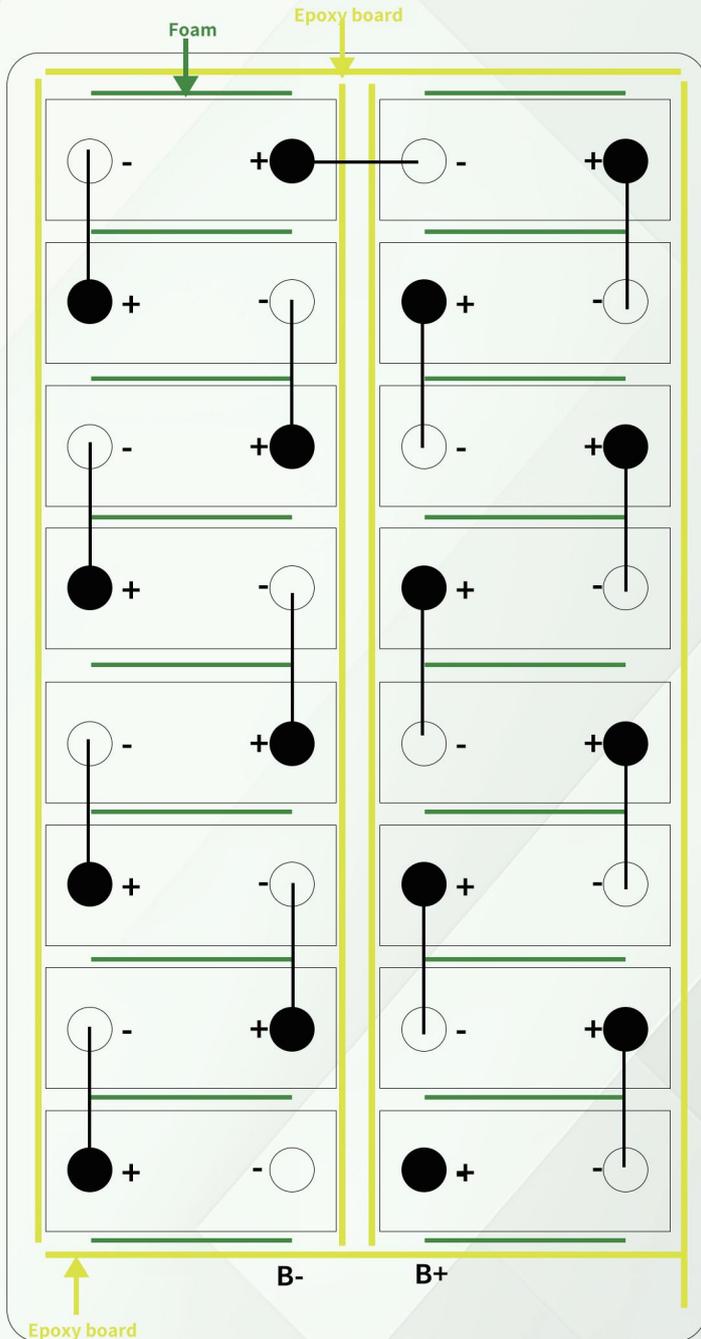


Figure 1



Figure 2

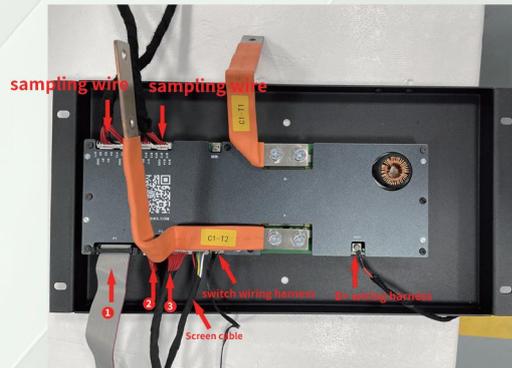


Figure 3



Figure 4

Materials: Battery cell ×16, Busbar C1-T1 ×1, Busbar CT-T2 ×1, BMS ×1, Sampling wire (white connector) ×1, Sampling wire (black connector) ×1, Bluetooth cable ×1, Adapter plate wiring harness ×2, Screen cable ×1, Switch wiring harness ×1, B+ wiring harness ×1, M3×16 screws ×8, M6×14 screws ×4, M6×25 screws ×6.

Tool: Internalresistancedetector, Electricbatch, 10mmsocket, PH2Crossbits

PS:Battery cells from different manufacturers have dimensional tolerances. If the cells remain loose after applying the foam as instructed, additional foam must be added for filling.

4. Install the aluminum bar

1. Install the aluminum busbar to the specified position according to Figure 1.

2. Apply the foam pad to the PCB bracket and install the PCB using M4×8 screws according to Figure 2.

Torque: (4Nm)



Figure 1

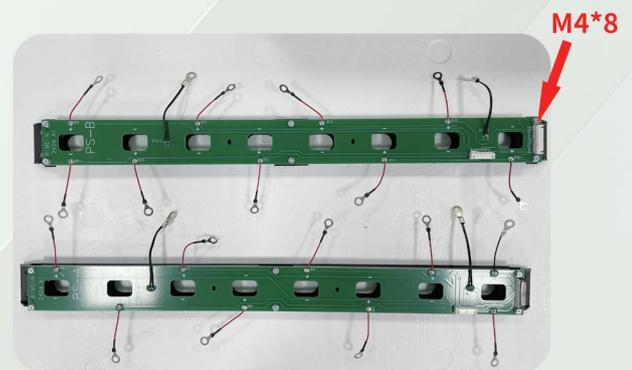
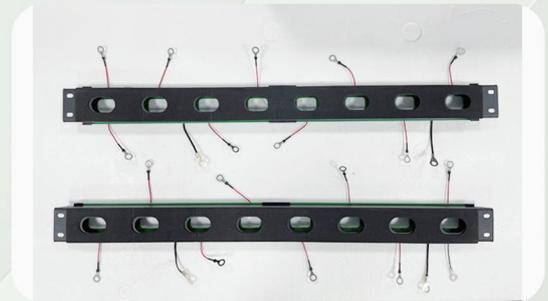


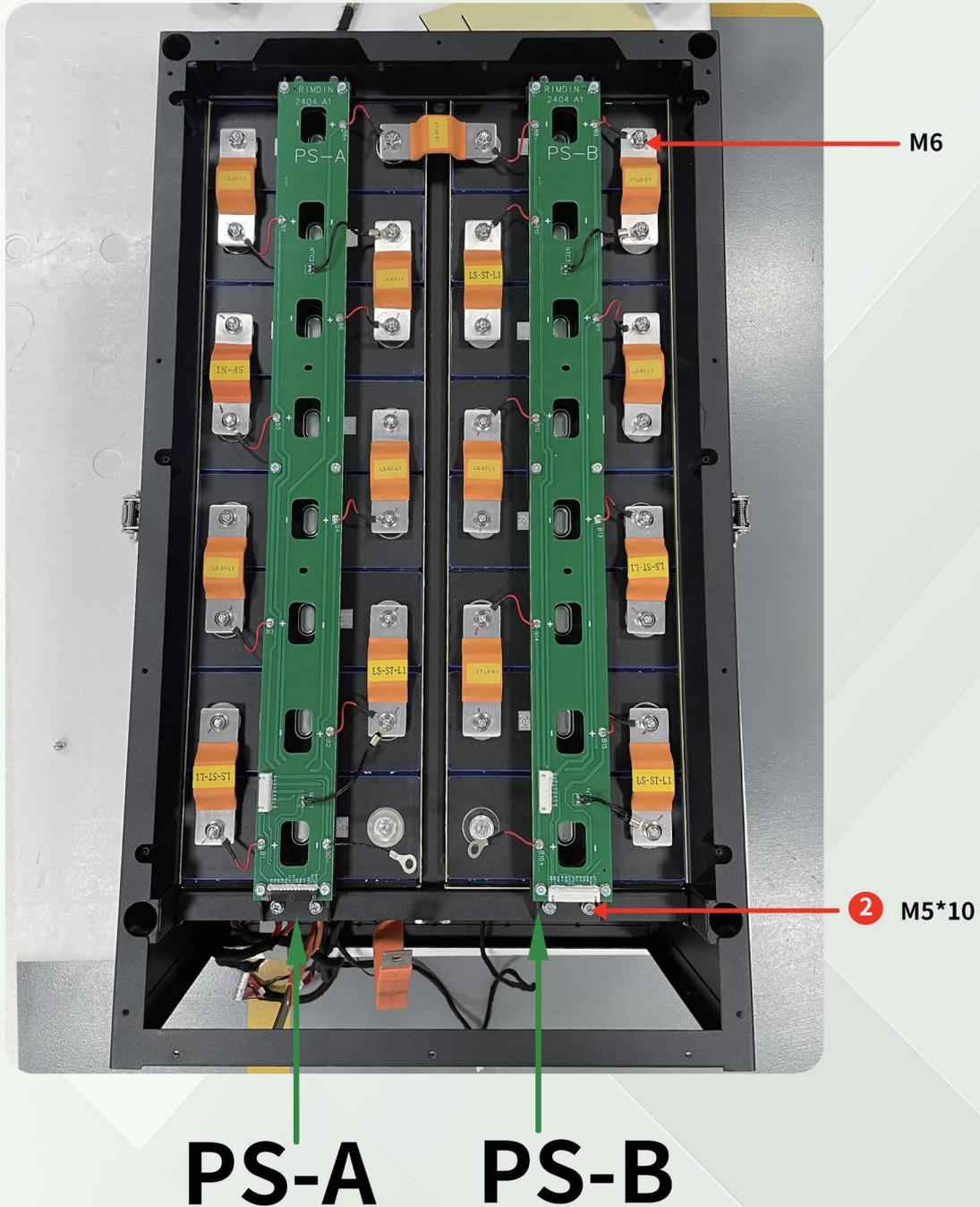
Figure 2

Materials: LS-ST-1 aluminum busbar ×15, PCBA ×1, PCB B ×1, foam pad ×2.

Tools: Electricbatch、PH2Crossbits

5.PCB board installation

- 1.Secure the PCB to the chassis with M5×10 screws according to the following figure. Torque: (6Nm)
- 2.Secure the PCB connecting cable to the battery position as shown below, and fasten it with M6 flange nuts. Torque: (12Nm)



Materials:Materials: PCB ×2, M5×10 screws ×8, M6 flange nuts ×30.

Tools: Electricbatch, 10mm socket, PH2 crossbits, torque wrench

6. Install BMS into sheet metal

1. Install busbars C1-T3 and C1-T4 onto the circuit breaker according to Figure 1, using the screws provided with the circuit breaker. Torque: (4Nm)

2. Install the positive and negative terminal sockets according to Figure 2, using flat head black M4×10 screws. Torque: (4Nm) , For the larger socket, use M8×16 screws. Torque: (6Nm) , Install the adapter plate using M3×8 screws. Torque: (1Nm) , Mount the screen to the following position. Install the circuit breaker using the screws provided with the circuit breaker. Torque: (8Nm) , Secure the C1-T4 busbar to the positive terminal socket using M6×14 screws. Torque: (12Nm) , Install the switch button. Install the ground wire using Phillips M5×10 screws. Torque: (6Nm)

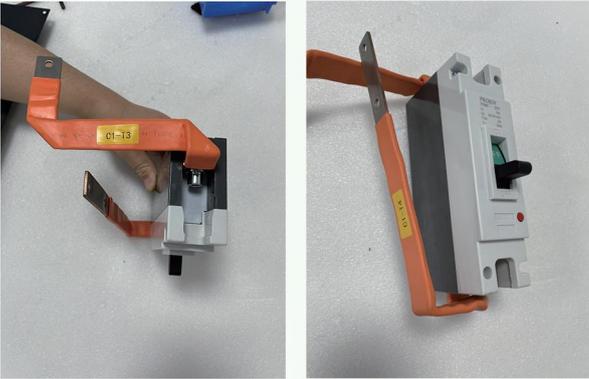
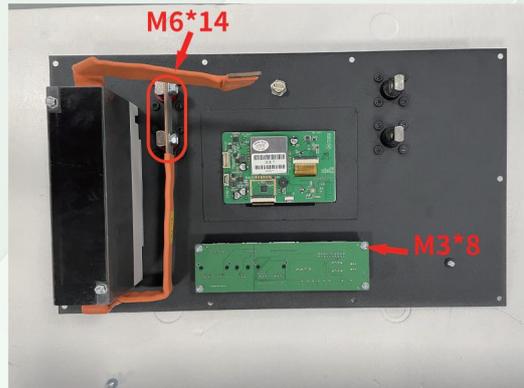


Figure 1



Front



Back

Figure 2

Materials: Circuit breaker ×1, Busbar C1-T3 ×1, Busbar C1-T4 ×1, Positive terminal ×2, Negative terminal ×2, Adapter plate ×1, Screen ×1, Switch button ×1, M4×10 flat head screws ×8, M8×16 screws ×5, M3×8 screws ×4, M6×14 screws ×2, M5×10 Phillips screws ×1.

Tools: Electric batch , PH2 cross bits, PH1 crossbits、 13mmsocket, 10mmsocket

7. Install the BMS panel bracket onto the end plate

1. Connect the corresponding wiring harnesses according to Figure 1. Connect the screen cable and switch wiring harness according to Figure 2.
2. Secure busbar C1-T2 to the negative terminal (black) according to Figure 2, using M6×14 screws. Torque: (12 Nm)
3. Secure the panel with M4×10 countersunk screws according to Figure 3. Torque: (4Nm)
4. Install the following components according to Figure 4: Busbar C1-T3+B+wiring harness+Sampling board B6 wire, Secure them with M6 flange nuts. Torque: (7Nm) , Install the following components: Busbar C1-T1+Sampling board wire B0, Secure them with M6 flange nuts. Torque: (7Nm)
5. Install the sampling wires according to Figure 4: Black connector to black port PS-A, White connector to white port PS-B

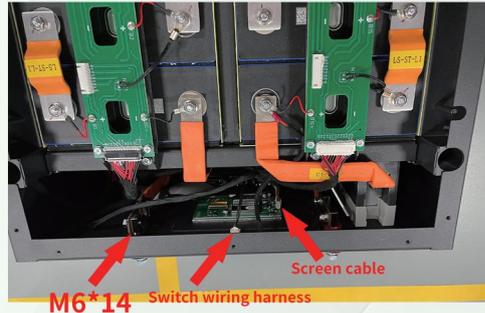


Figure 2

Figure 3

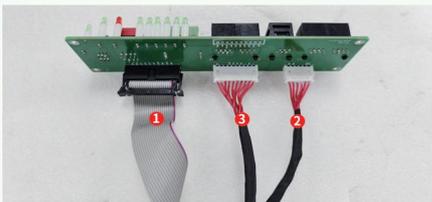


Figure 1



PS-A

Figure 4

PS-B

Materials: Panel ×1, M4×10 countersunk screws ×10, M6×14 screws ×2, M6 flange nuts ×2.

Tools: Electricbatch, 10mmsocket, HexagonalH2.5bit

8. Installation of Aerosol and Top Cover

1. Install the PC film as shown in Figure 1, and secure it with M3*8 screws. Torque: (1 Nm)
2. Install the aerosol generator onto the top cover as shown in Figure 2, and secure it with M3*8 screws. Torque: (1 Nm). Secure the aerosol generator wiring harness to its designated location using a cable tie.
3. Install the top cover using countersunk M4*10 screws. Fill all remaining empty positions with the same screws.
4. Measure the internal resistance. Assembly complete.



Figure 1



Figure 1



Figure 3

Materials: PC film × 1, M3×8 screws × 7, cable ties × 4, M4×10 countersunk screws × 12.

Tools: Electric screwdriver, PH1 cross screwdriver

Compatible inverter

Serial number	Inverter protocol	Corresponding to the upper computer switching protocol function
1	Pylon (CAN protocol)	Pylon CAN
2	Growatt (CAN protocol)	Growatt CAN
3	Goodwe (CAN protocol)	Goodwe CAN
4	Shouhang (CAN protocol)	Sofar CAN
5	SMA (CAN protocol)	SMA CAN
6	Victron (CAN protocol)	Victron CAN
7	Studer (CAN protocol)	Studer CAN
8	Jinlong (CAN protocol)	Ginlong CAN
9	Sun-Moon (RS485 protocol)	Voltronic 485
10	Shuo Ri (RS485 protocol)	SRNE 485
11	Growatt (RS485 protocol)	Growatt 485
12	Pylon (RS485 protocol)	Pylon 485
13	Deye (Pylon RS485 protocol)	Deye_485

Note: When paralleling, just use the LCD screen (press the confirmation button on the LCD screen twice to switch successfully) or other external devices to switch the host protocol. There is no need to switch the protocol for each unit. After the host switches the protocol, it will summarize the data for the inverter.