48280AH ASSEMBLING GUIDE

ONEÿ Box mounting accessories:

1.Chassis mounting wheel,as shown in "Figure 1",use 16 M6 14 cross hexagon triple combination screws to lock.Set the torque index of the electric screwdriver to 8nm and lock the screws until we hear the sound of “da-da.

Figure 1

2.Rip open the epoxy insulation board A/B/C and stick them to the inner sides of the box,paste it at the corresponding position as shown in "Figure 2".

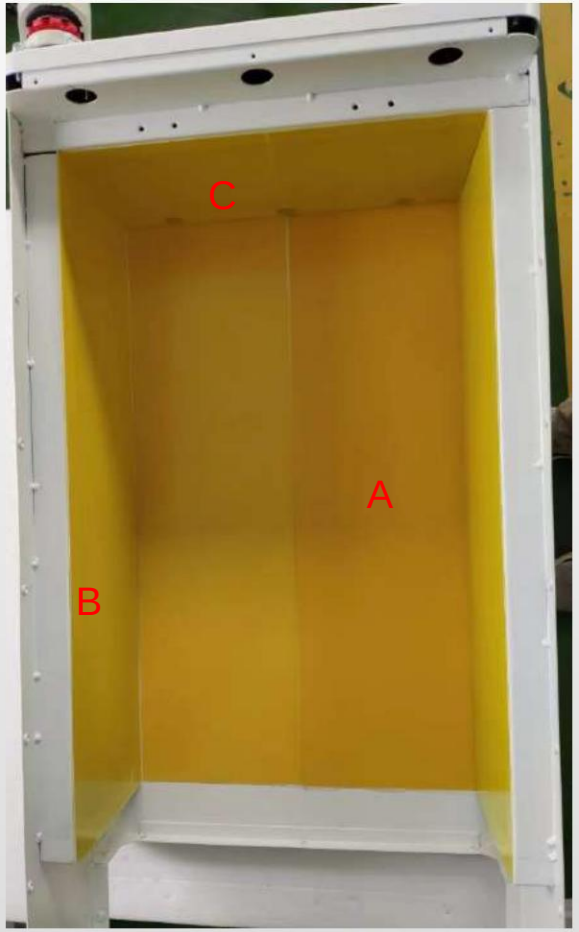


Figure II

Material: 1pcs battery pack box and 4pcs wheel,2pcs Epoxy board A, 2pcs Epoxy board B,2pcs Epoxy board C,16pcs M6 14 cross hexagon triple combination screws.

Tool: electric screwdriver ,10mm sleeve and PH3 cross screwdriver

TWO ÿ Battery Cell Placement:

1.As shown in "Figure 1", paste EVA foam on the corresponding surface of the cell, and the position is shown in the schematic diagram to separate the cell.

Figure 1

2.As shown in "Figure 2" stack the cell in series and put them into the case. Paste epoxy plate B between the two lines to separate them. Paste epoxy plate C against the end plate cell.

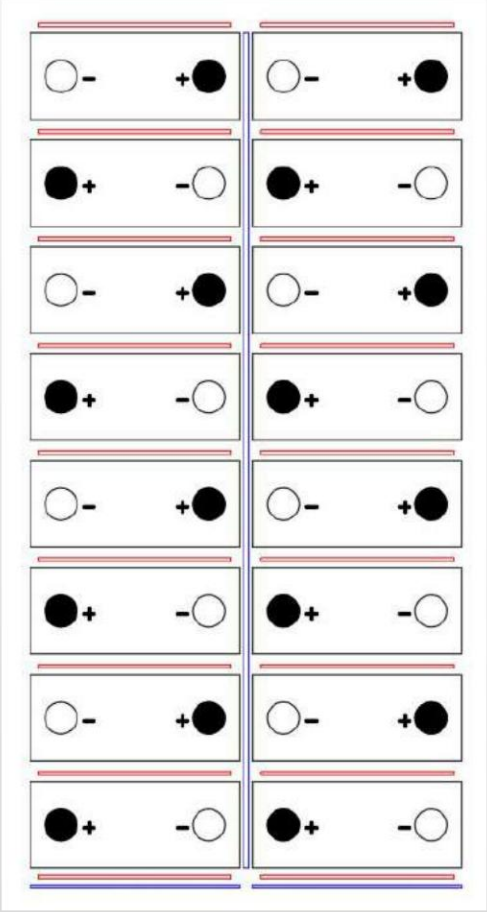


Figure II

3.Assembling the end plate,As shown in "Figure 3" use 6 M8 20 cross hexagon triple combination screws to lock.Set the torque index of the electric screwdriver to 12nm and lock the screws until we hear the sound of “da-da.

Figure three

Material: 16pcs cells,18pcs cell foams,2pcs Epoxy board A, 1pcs Epoxy board B,2pcs Epoxy board C,6pcs M8* 20 cross hexagon triple combination screws.

Figure four

Tool: electric screwdriver ,13mm sleeve and PH4 cross screwdriver

THREE ÿ Top Bracket Insulation:

1.As shown in "Figure 1",Paste EVA foam on the bracket and align the hole position.

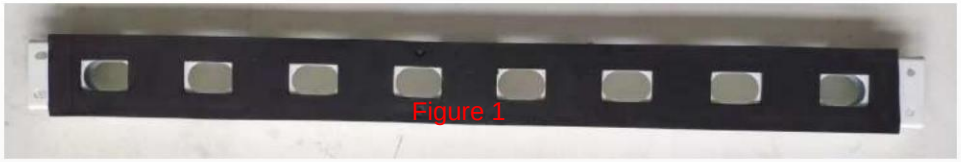
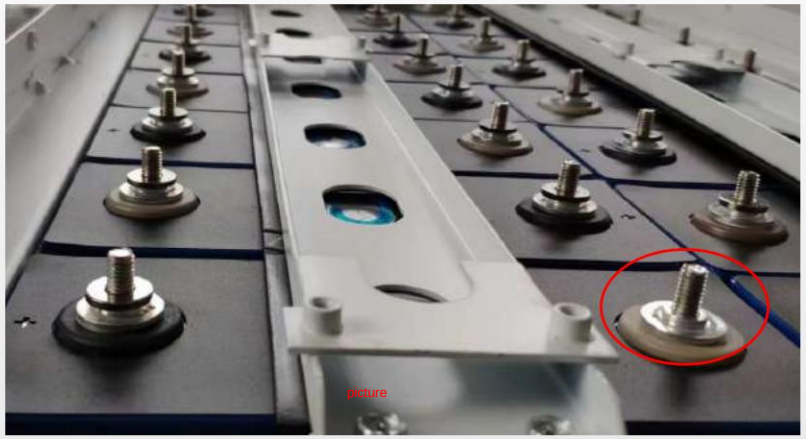


Figure 1

2.Top Bracket Insulation,as shown in "Figure 2" use 8 M5 8 cross hexagon triple combination screws to lock.Set the torque index of the electric screwdriver to 6nm and lock the screws until we hear the sound of “da-da.


Figure II


picture

3.Install the shim,as shown in "Figure 3", place 30PCS of shim on the pole post, and B+/B-pole post does not place shim.

4.Install the series aluminum bar, as shown in "Figure 4", place the series aluminum bar, and connect the battery cells in series.


three pictures four

Material: 2pcs foams,2pcs top bracket,8pcs M5* 8cross hexagon triple combination,30pcs shim, 14pcs aluminum bar SF-1, 1pcs aluminum bar SF-L1.

Tool: electric screwdriver ,10mm sleeve and PH3 cross screwdriver

FOUR ÿ PCB Board insulationÿ

1.PCB Board insulation,As shown in "Figure 1",A/B board needs to be distinguished,use 12 M4 8 cross hexagon triple combination screws to lock.Set the torque index of the electric screwdriver to 4nm and lock the screws until we hear the sound of “da-da.

2.Install the sample line lug, and thread the sample line lug into the pole at the corresponding position as shown in "Figure 2",

use thirty M6 flange nuts to lock the aluminum bar,Set the torque index of the electric screwdriver to 10nm and lock the screws until we hear the sound of “da-da.

Material:2pcs sample line lug,12pcs M4 8 cross hexagon triple combination screws,30pcs M6 flange nuts

Tool: electric screwdriver ,10mm sleeve and PH3 cross screwdriver,Torque wrench.

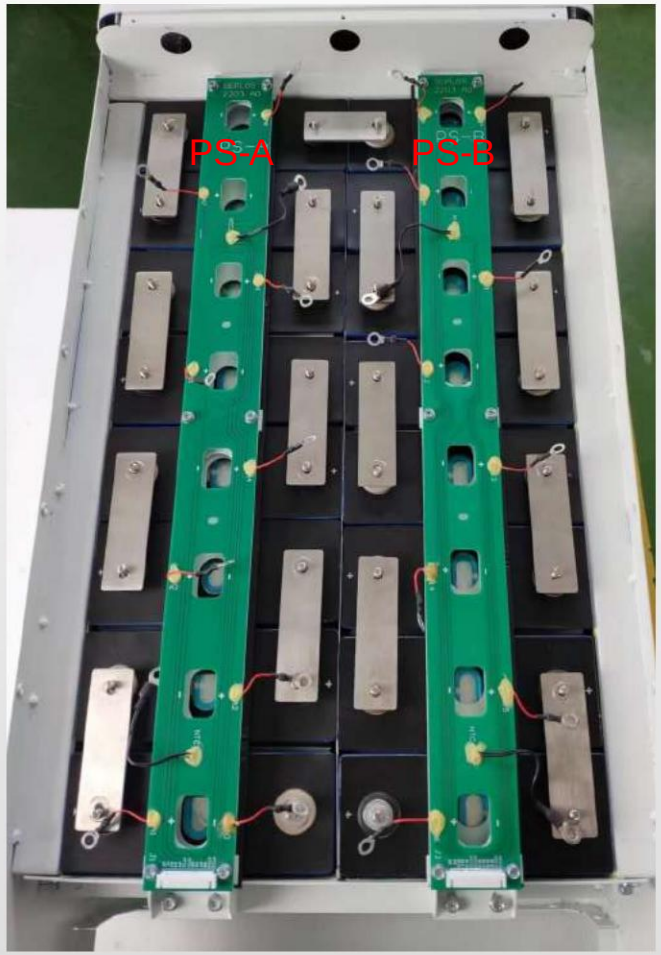


Figure 1

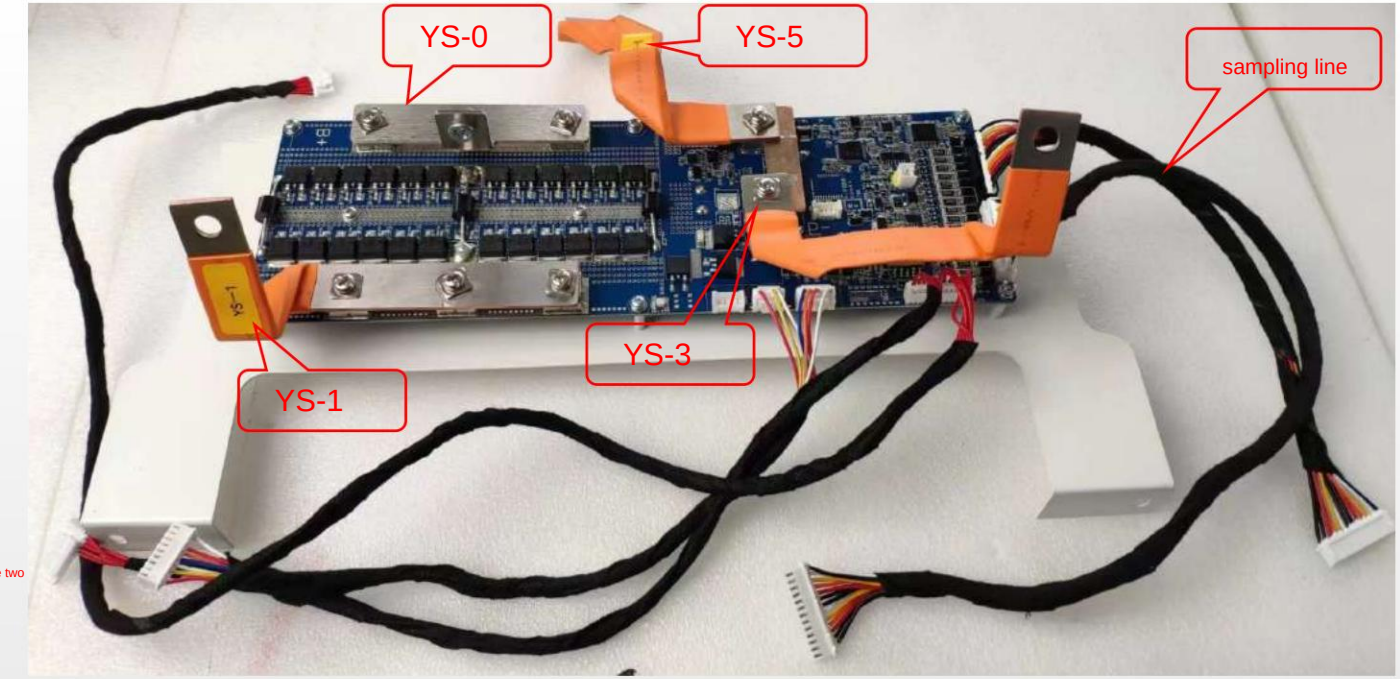
Figure II

FIVE ÿ BMS ÿFront plate kits assemblingÿ

1.BMS accessory installion:As shown in "Figure 1",
BMS is installed on the sheetmetal bracket,lock with 6 M3 8 cross half-round head triple combination screws;then install copper bar, sampling line and display line;The torque of the copper bar screw electric screwdriver is set to "6Nm" until hear the sound of “da-da.

2.Front plate kits assembling:As shown in "Figure 2",Installing connector socket 2;Use 8 M4 10 hexagon socket flat head flat tail screws to lock,The torque of the copper bar screw electric screwdriver is set to "5Nm" until hear the sound of “da-da.

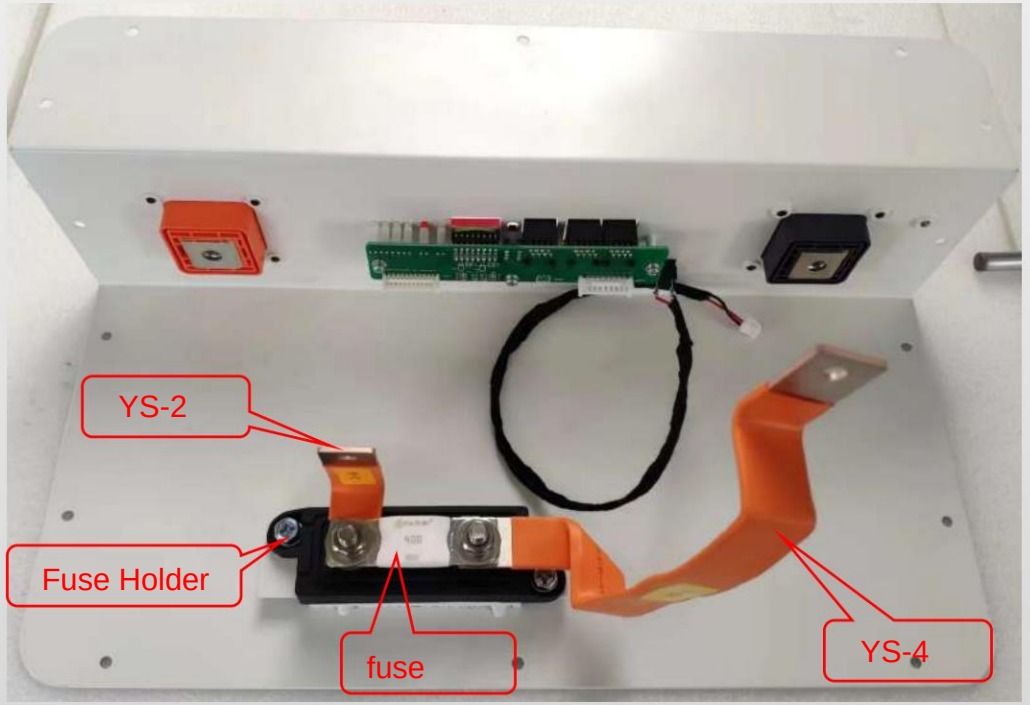
One picture two

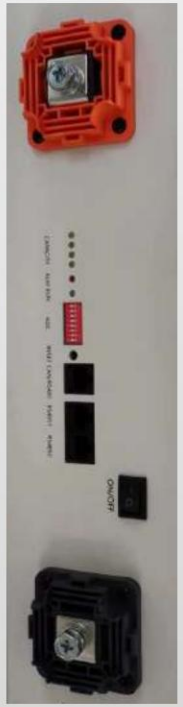


Install the adapter plate; Use three M3 8 cross half-round head triple combination screws to lock;The torque of the copper bar screw electric screwdriver is set to "2Nm" until hear the sound of da-da.

Installation key; Open the key welding plug, and then insert and fasten the corresponding ON/OFF;

Install the fuse holder;use two M6 14cross hexagon triple combination screws to lock;The torque of the copper bar screw electric screwdriver is set to "8Nm" until hear the sound of “da-da.





Install fuses and copper bars: YS-4, YS-2; Lock with the screws provided by the safety seat;The torque of the copper bar screw electric screwdriver is set to "8Nm" until hear the sound of “da-da.

Material:BMS*1PCS,BMS bracket*1PCS,Copper bar:YS-0*1PCS ÿYS-1*1PCSÿYS-2*1PCSÿYS-3*1PCSÿYS-4*1PCSÿYS-5*1PCSÿSample line13P-135 black*1PCSÿSample line 13P-135 white*1PCS,Display cable*1PCS,front panel*1PCSÿConnector socket*2PCSÿM4 * 10 hexagon socket flat head flat tail screw 8PCS, adapter plate * 1PCS, M3 8 cross half-round head triple combination screw * 9PCS, switch key * 1PCS, fuse holder 1PCS, M5 8 cross hexagon triple combination screw * 2PCS, fuse * 1PCS.

Tool: electric screwdriver ,PH3cross screwdriver,PH2cross screwdriver,PH4cross screwdriver and Torque wrench.

Six ÿInstall BMS bracket,Front panel into caseÿ

1.Install BMS bracket, As shown in "Figure 1"

"Figure 2"use 4 M5 14 cross hexagon triple combination screws to lock.Set the torque index of the electric screwdriver to 6nm and lock the screws until we hear the sound of “da-da.

2.Install front panel, As shown in "Figure 3"Lock with M4 10 hexagon socket countersunk head screws. Set the torque index of the electric screwdriver to 5nm and lock the screws until we hear the sound of “da-da.

3.As shown in "Figure 4"Plug in the communication cable of the adapter board, and plug the switch cable into BMS.

4.Power-on connection copper bar,as shown in "Figure 5".B+/B- copper bar is locked with M6 flange nut, and the torque of electric screwdriver is set to "10nm";p+/p-copper bar is locked with M8*16 cross hexagon triple combination screw,and the torque of electric screwdriver is set to "12nm";YS-2copper bar is locked with M6*14cross hexagon triple combination screw, until we hear the sound of “da-da.

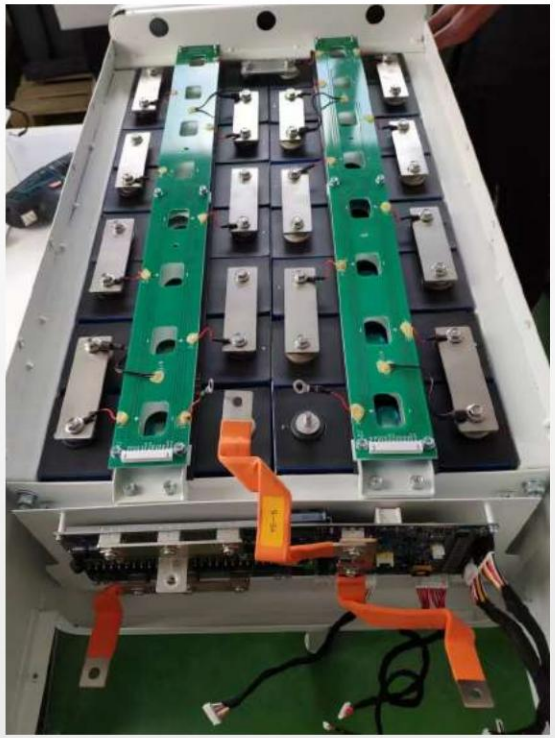


Figure 1

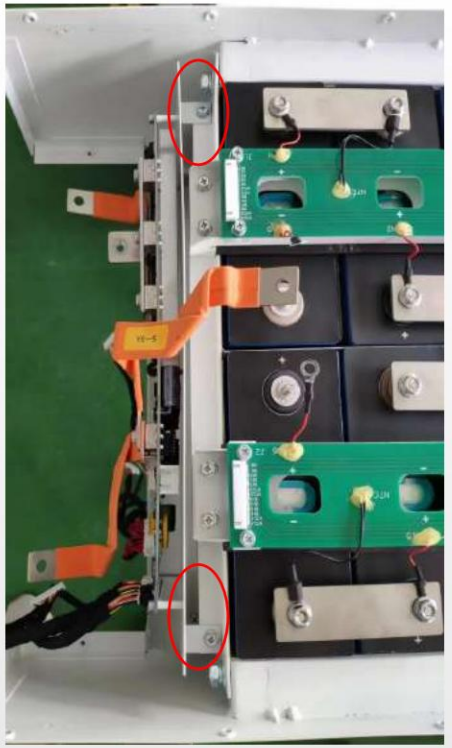


Figure II

Figure three

Figure four

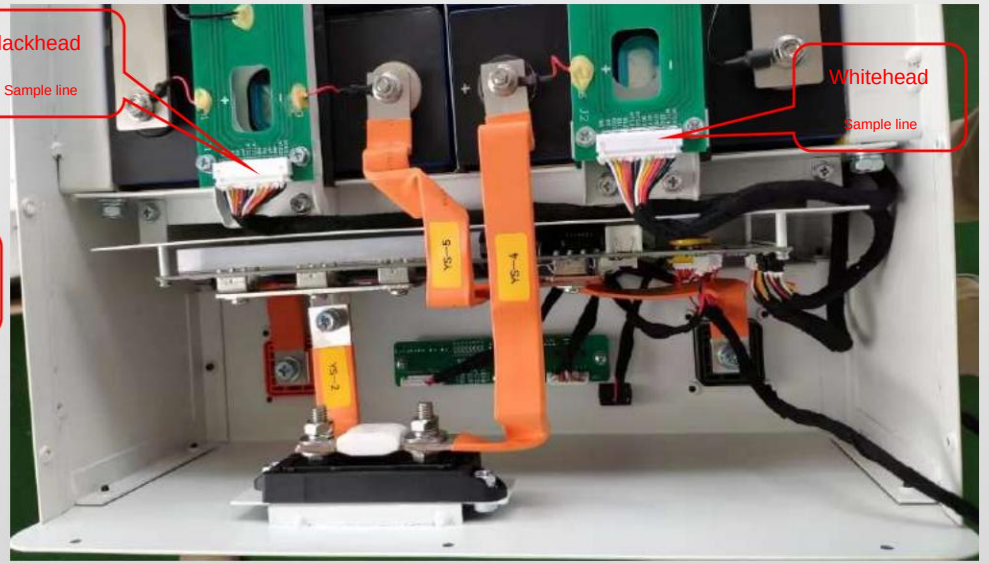


Figure five

5.The sampling line is connected to the sampling sample, as shown in "Figure 5" to distinguish B+/B-sampling line, and insert it accordingly.

Material:M5*14cross hexagon triple combination screws 4pcs,M8*16cross hexagon triple combination screws 2pcs,M6* 14 cross hexagon triple combination screws 1pcs,M4 2PCS. * 10 hex socket countersunk head screw * 14PCS,M6 flange nut *

Tool: electric screwdriver ,PH4cross screwdriver,10mm sleeve and 13mm sleeve.

SEVEN ÿCase cover processing and closingÿ

1.Install accessories on the case cover, as shown in "Figure 1", install the display screen and LED light, lock them with M3 8 cross half-round head three-combination screws, set the torque of the electric screwdriver to "2Nm", until the electric screwdriver clicks

2.As shown in "Figure 2",Insert the display cable and LED light cable.

3.As shown in "Figure 3 ÿ4",close the case cover and lock it with 17 M4 10 socket countersunk head screws. The torque of the electric screwdriver is set to "5Nm" until the electric screwdriver clicks.

4.After installation, BMS needs to learn the specific steps:

Fully charge the battery first (recommended current is 100A)

Put it into the battery system for protection (recommended current: 100A)

Charge to 50% (recommended current: 100A)

Complete capacity learning.

Figure 1

Figure II

Figure three

Material:Case cover * 1PCS, display * 1PCS, LED light plate 10 * 1, M3 * 8 cross half-round head triple combination screw * 6PCS, M4 * hexagon socket countersunk head screw * 17PCS, PVC sticker * 1PCS

Tool: electric screwdriver ,PH3cross screwdriver,Hexagonal H2.5.