

APEX **DIY** **BOX** **280**

Battery Pack Assembling Instructions

Please refer to the corresponding installation video to read.

A white foam board is being lifted from a cardboard box. Inside the box, a dark-colored panel is visible. The foam board has several circular holes. The background is a light blue gradient.

The foam board is a protective pad for panel installation.

Collaboration is recommended for installation process.

The weight is 115KG when installation is done, it is recommended to install in usage position, collaboration or tools are recommended for moving.

apexium

WARNING



This product is compatible with below cells:
3.2V 280Ah LiFePO4
3.2V 304Ah LiFePO4

Please check if cells are fully matched before installation.

Follow instructions strictly for battery placement.

The battery cannot be connected to
the same pole during installation.

Please wear insulated gloves,
safety shoes and goggles.

P₋ P₋ P₊ P₊
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GENERAL TOOLS

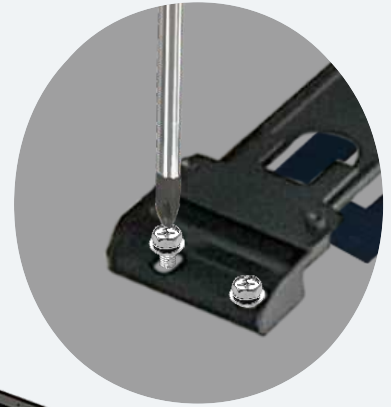


REINFORCEMENT TOOLS



All DIY kit accessories are included/packed in the DIY box.

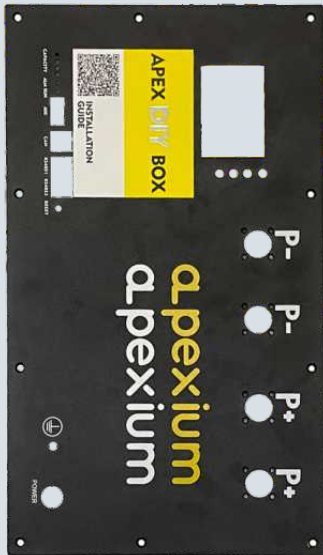
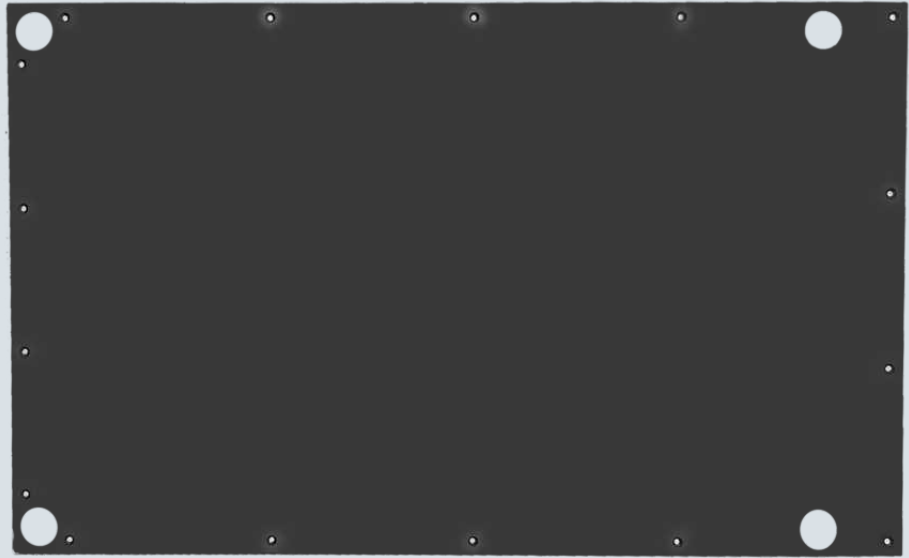




6

The removed screws can be used as spare screws!

Please put the bottom case, front panel, top bracket, front bracket and top cover in place



Take out the installation accessories



Installation Material List

PROTECTING BATTERIES

1

2

BATTERY LINK

3

4

MAIN BOARD

5

COMPLETION AND INSPECTION

6

8

Accessories for when stacking is Needed. (7)

PROTECTING BATTERIES

4 PCS

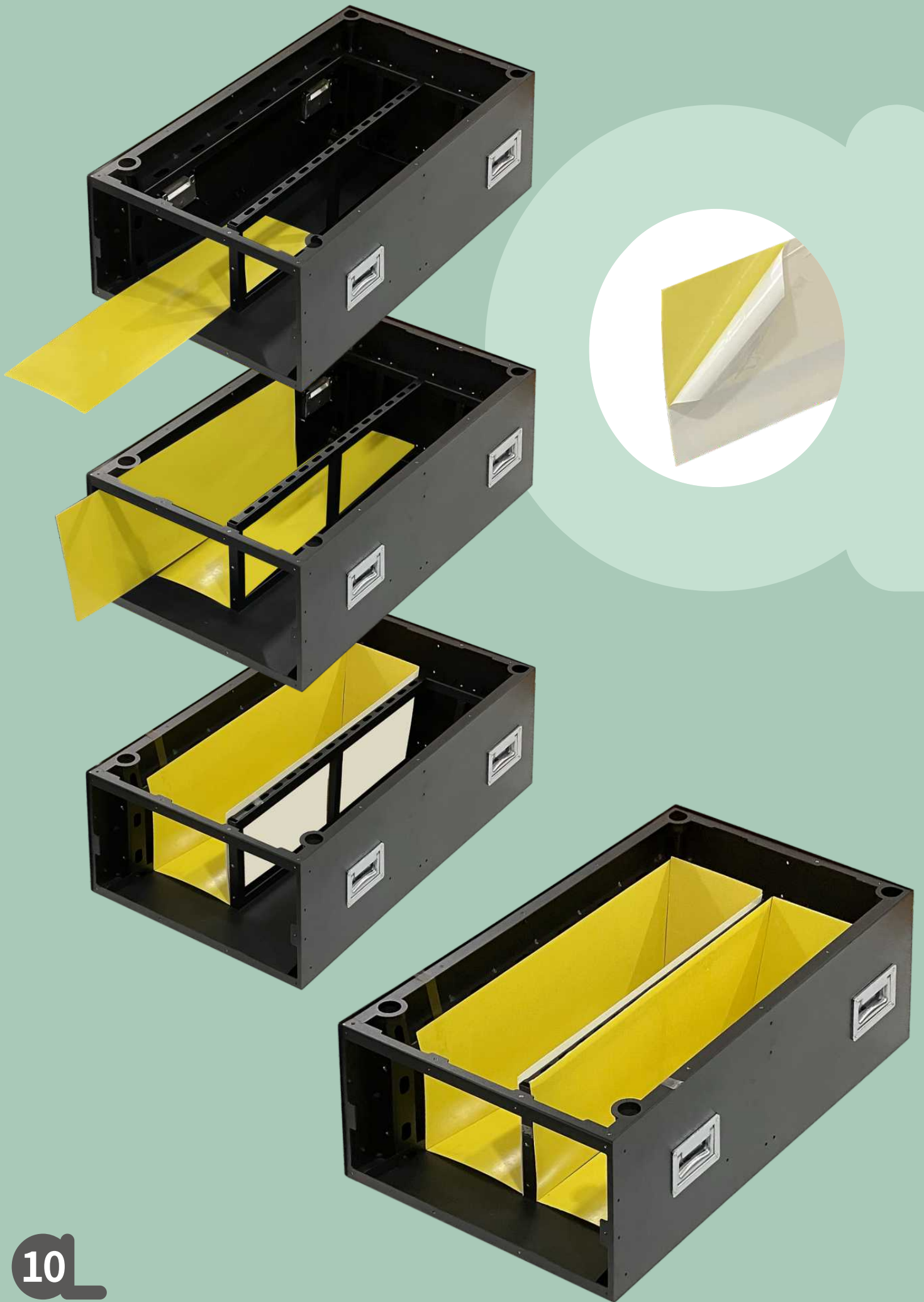
1

2 PCS



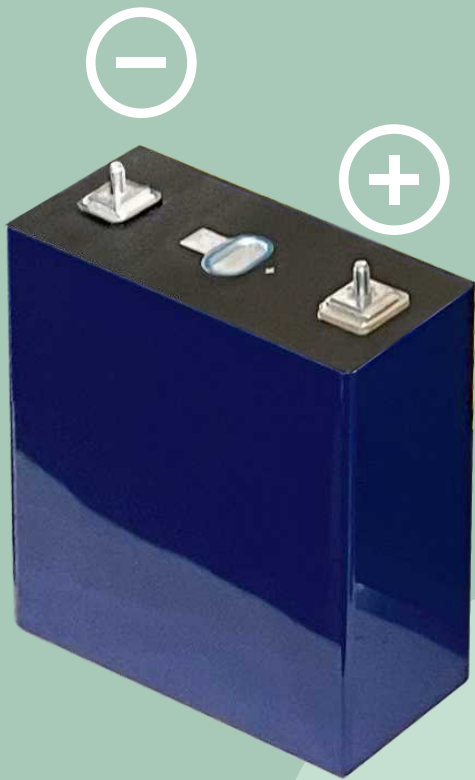
20 PCS

4 PCS

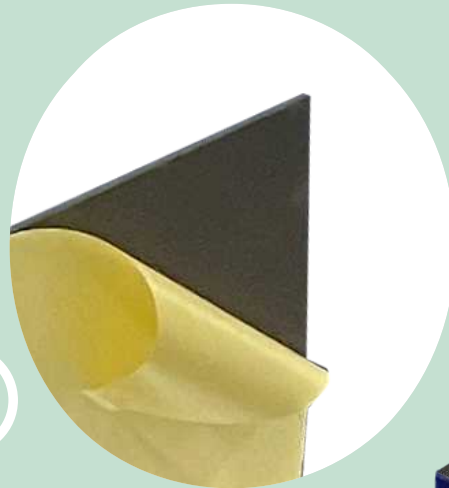


Warning:
Please install it in strict accordance
with the installation specification diagram.

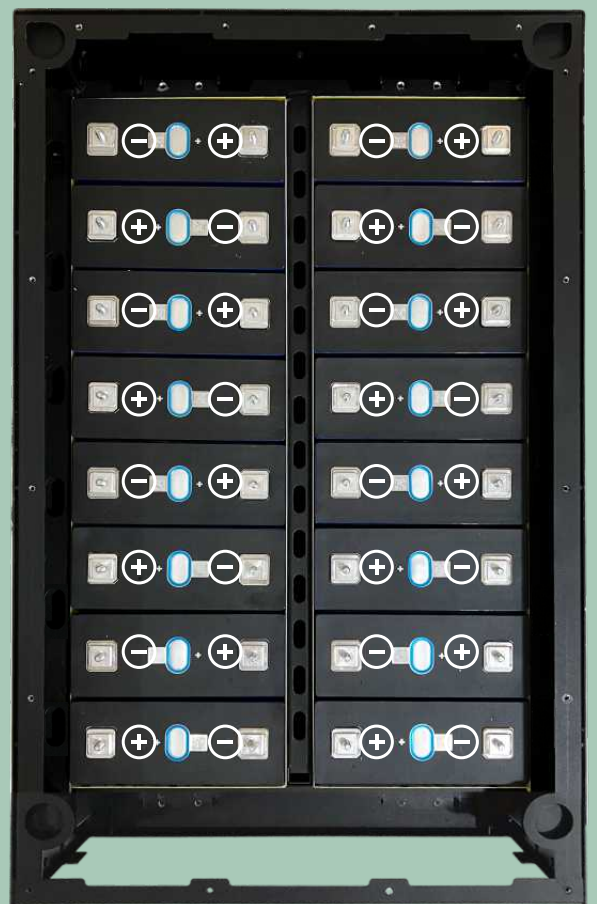




8 PCS

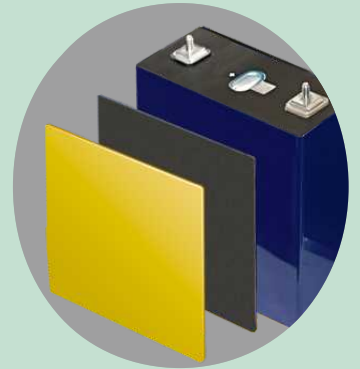


8 PCS



13

Double check





BATTERY LINK

screw M4*6
12PCS+2PCS



screw M5*8
8PCS+2PCS



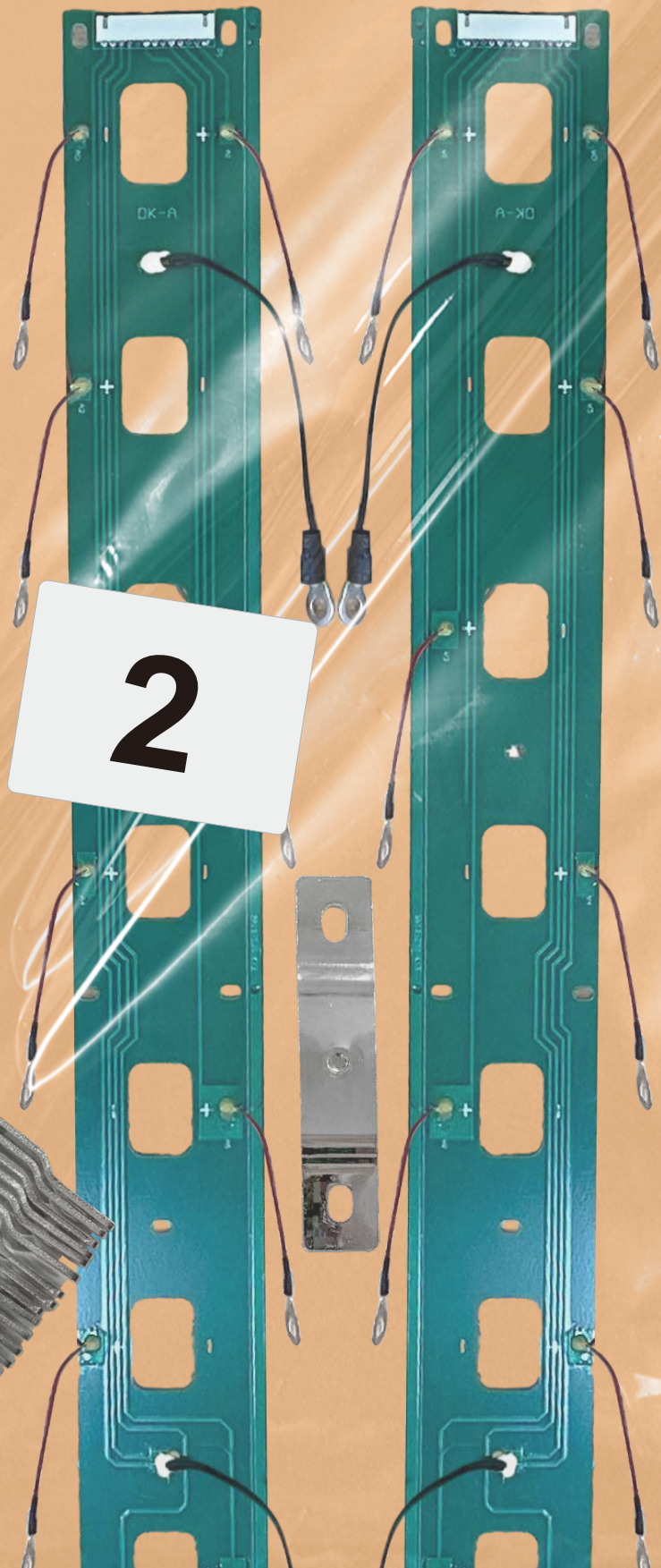
Bolt M6
32PCS+2PCS



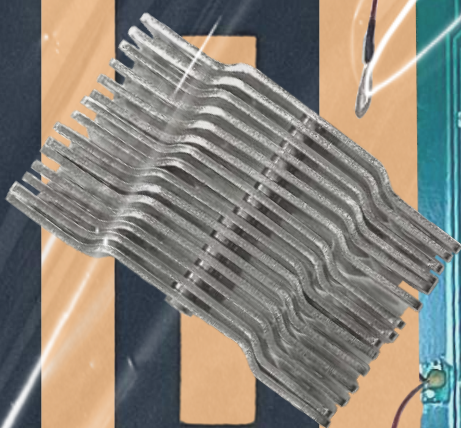
gasket
32PCS+2PCS



screw M4*10
15PCS+2PCS



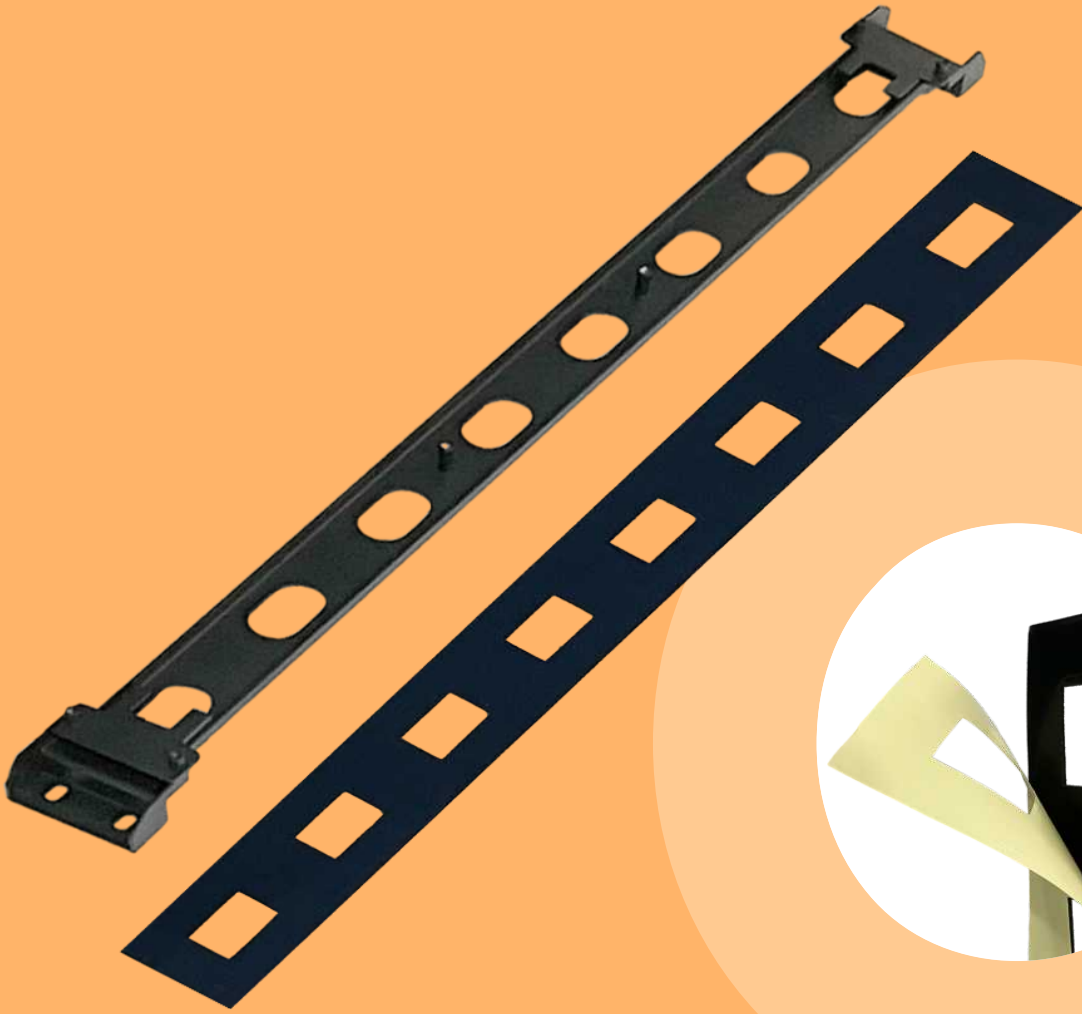
2





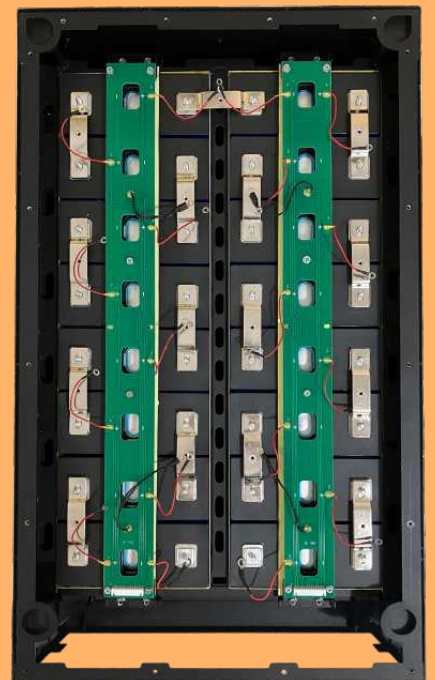
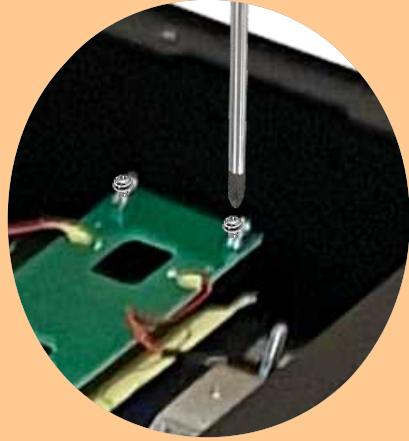


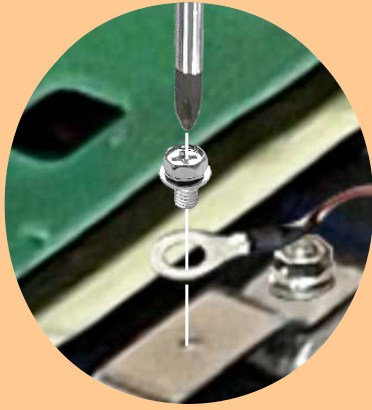




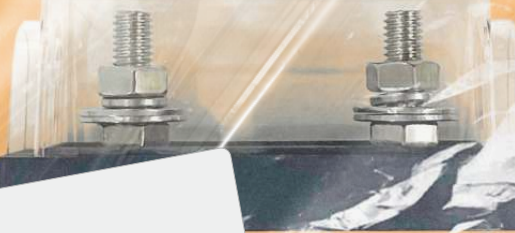
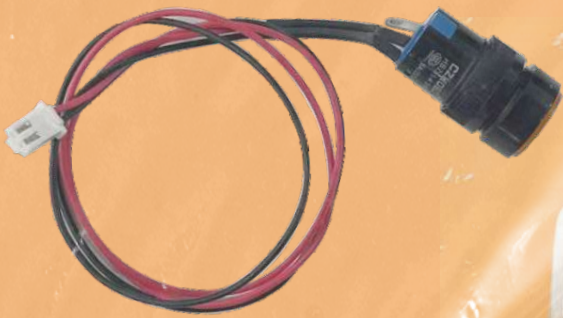
Yellow part is EVA foam.



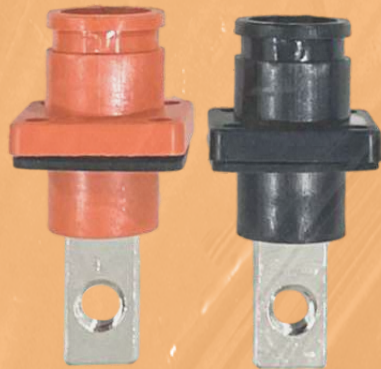




BATTERY LINK



3



screw M6*14

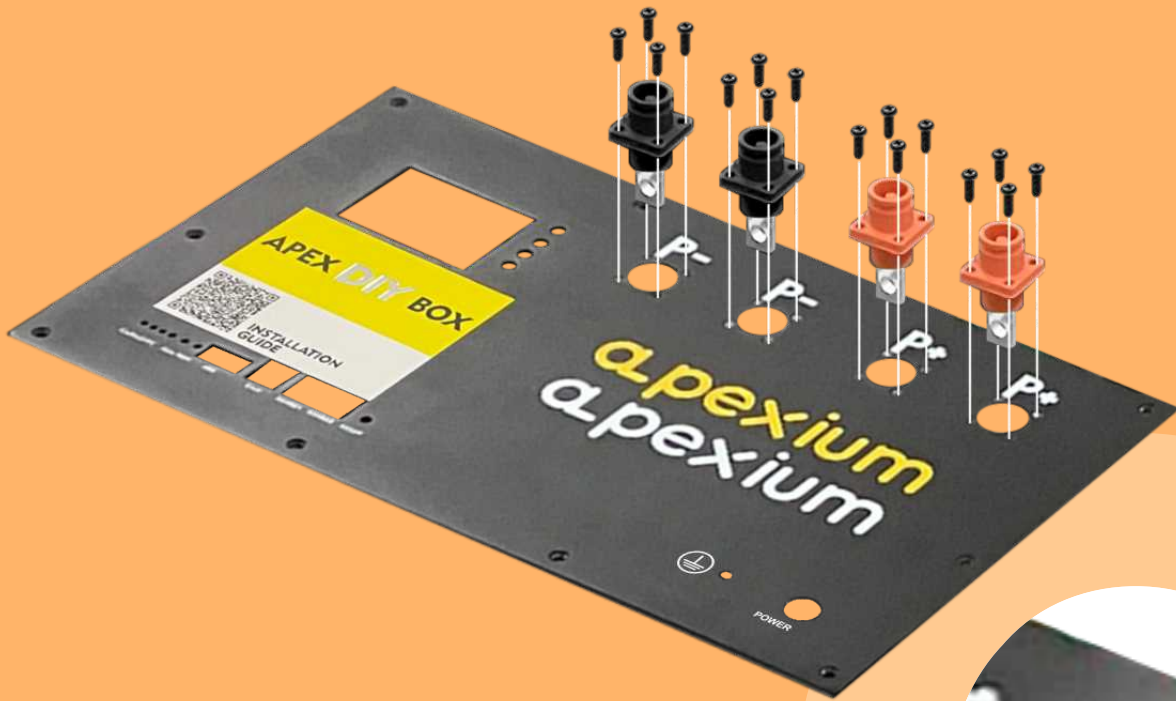
2PCS+1PCS



screw M4*12

16PCS+2PCS





Installation on the foam or other padded surface is recommended for the front panel protection.



These accessories are for the next installation step.

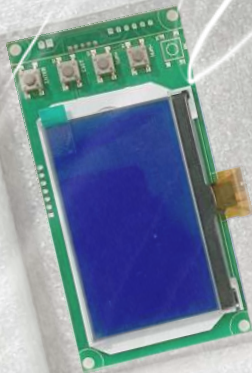


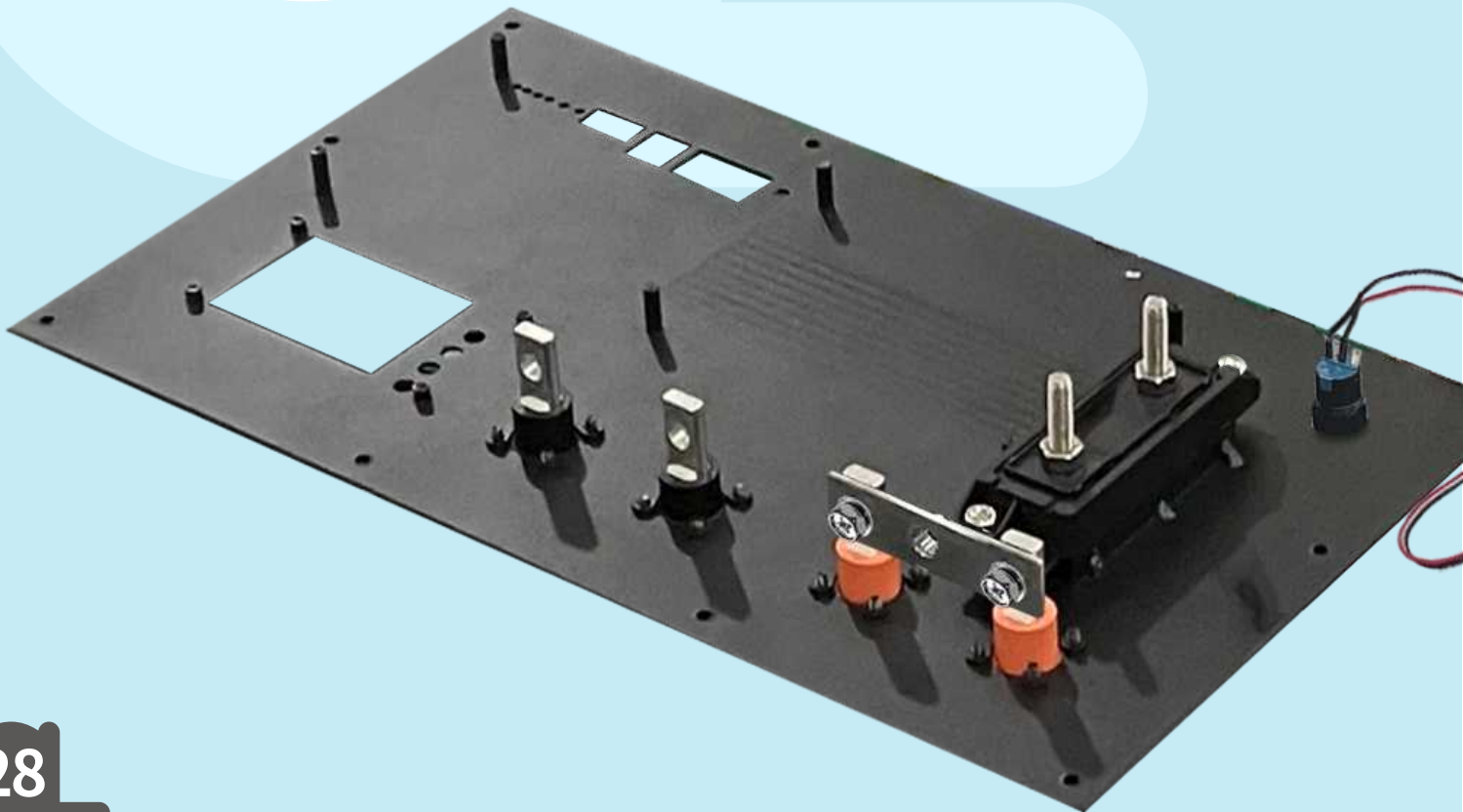
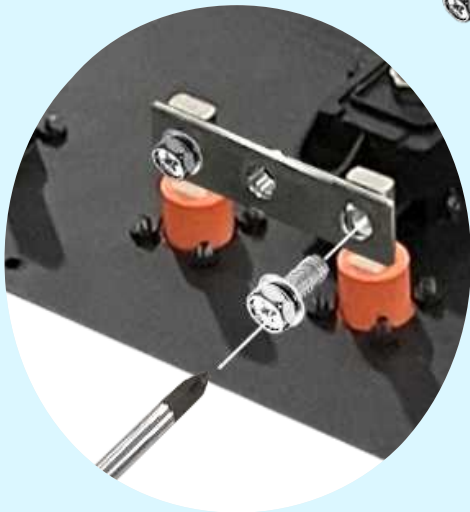
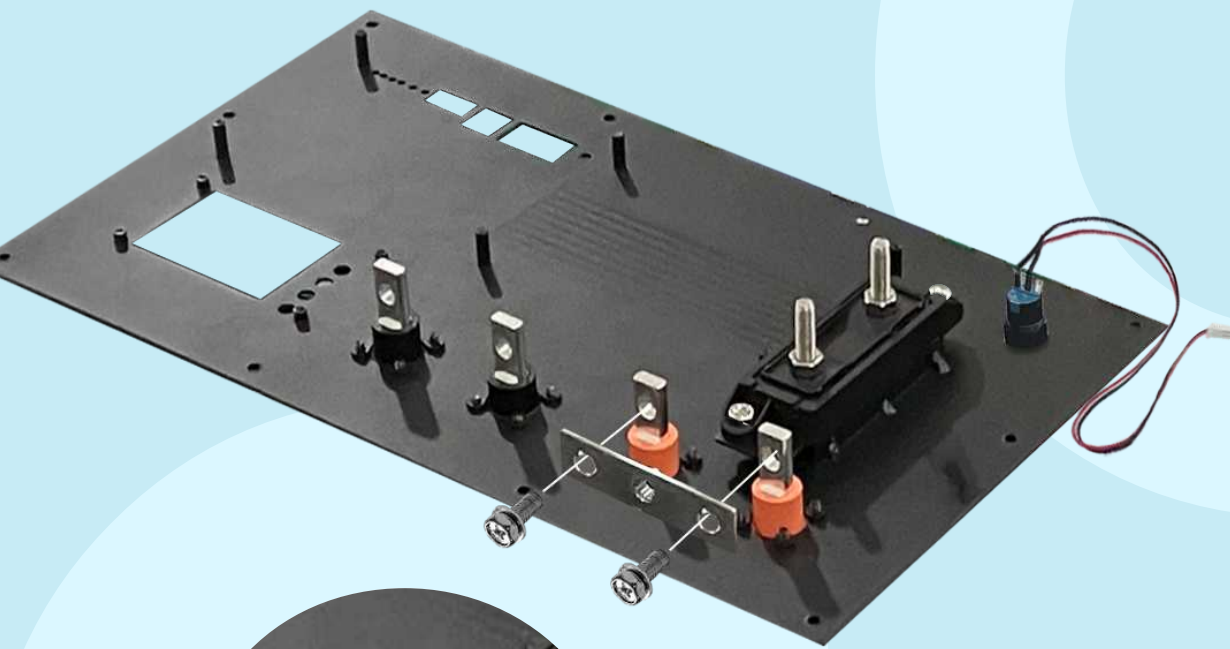
MAIN BOARD

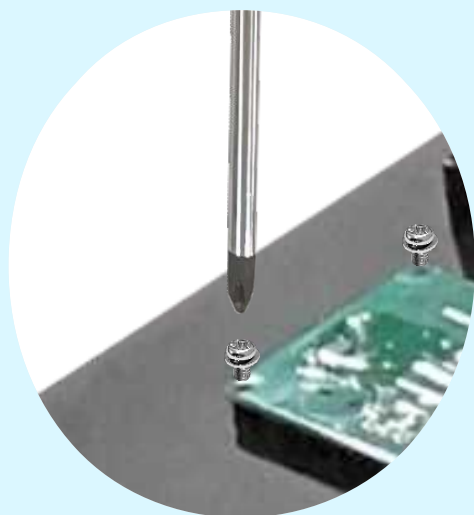
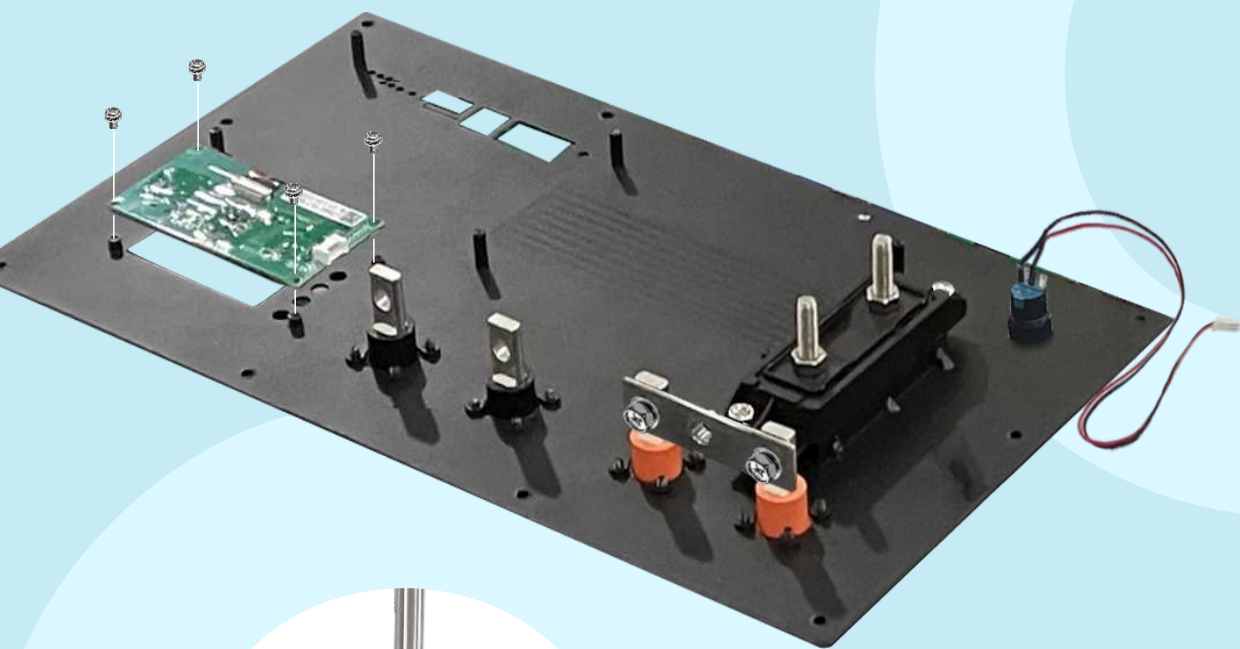


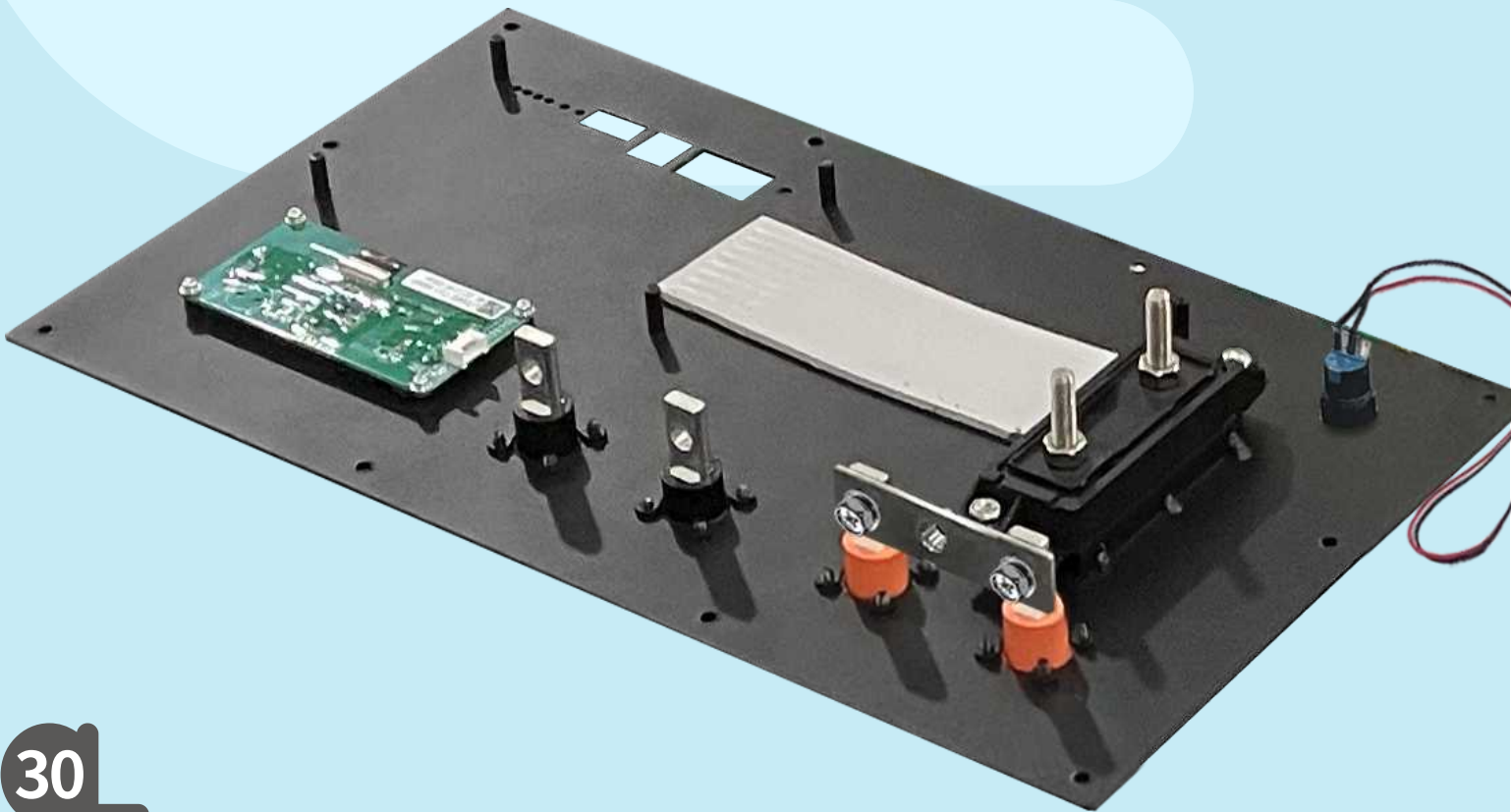
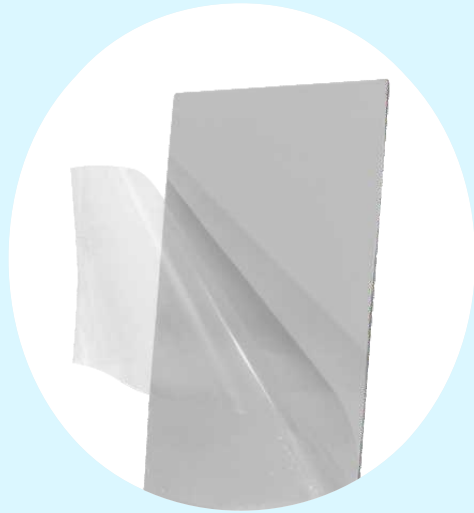
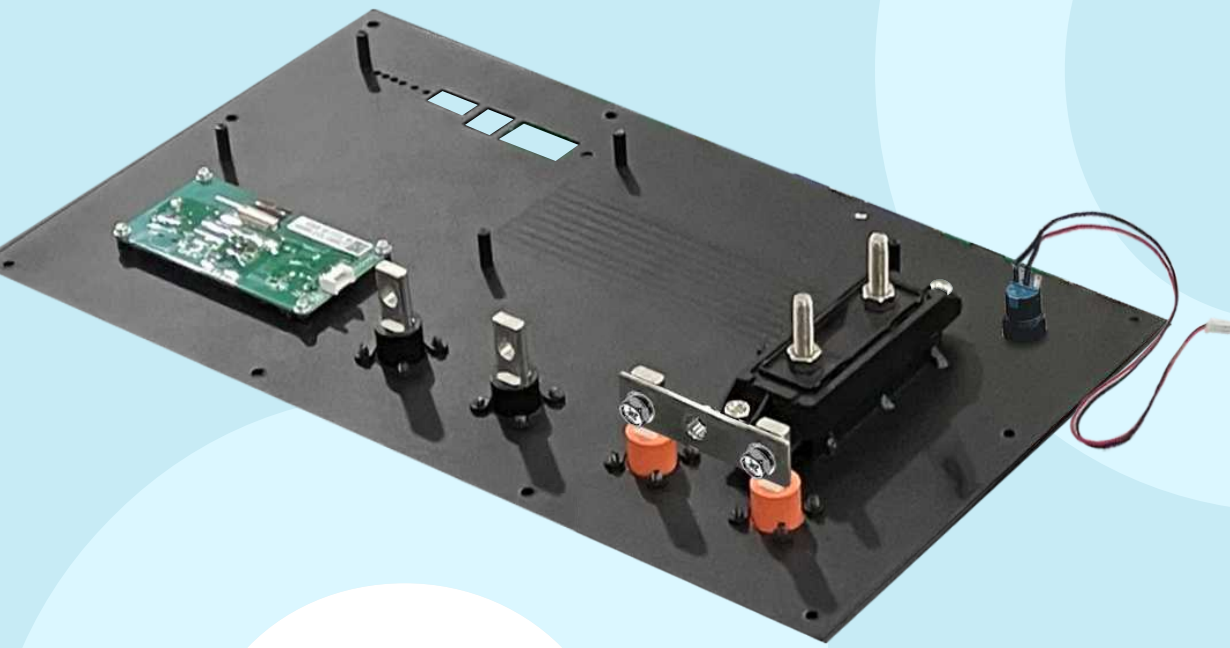
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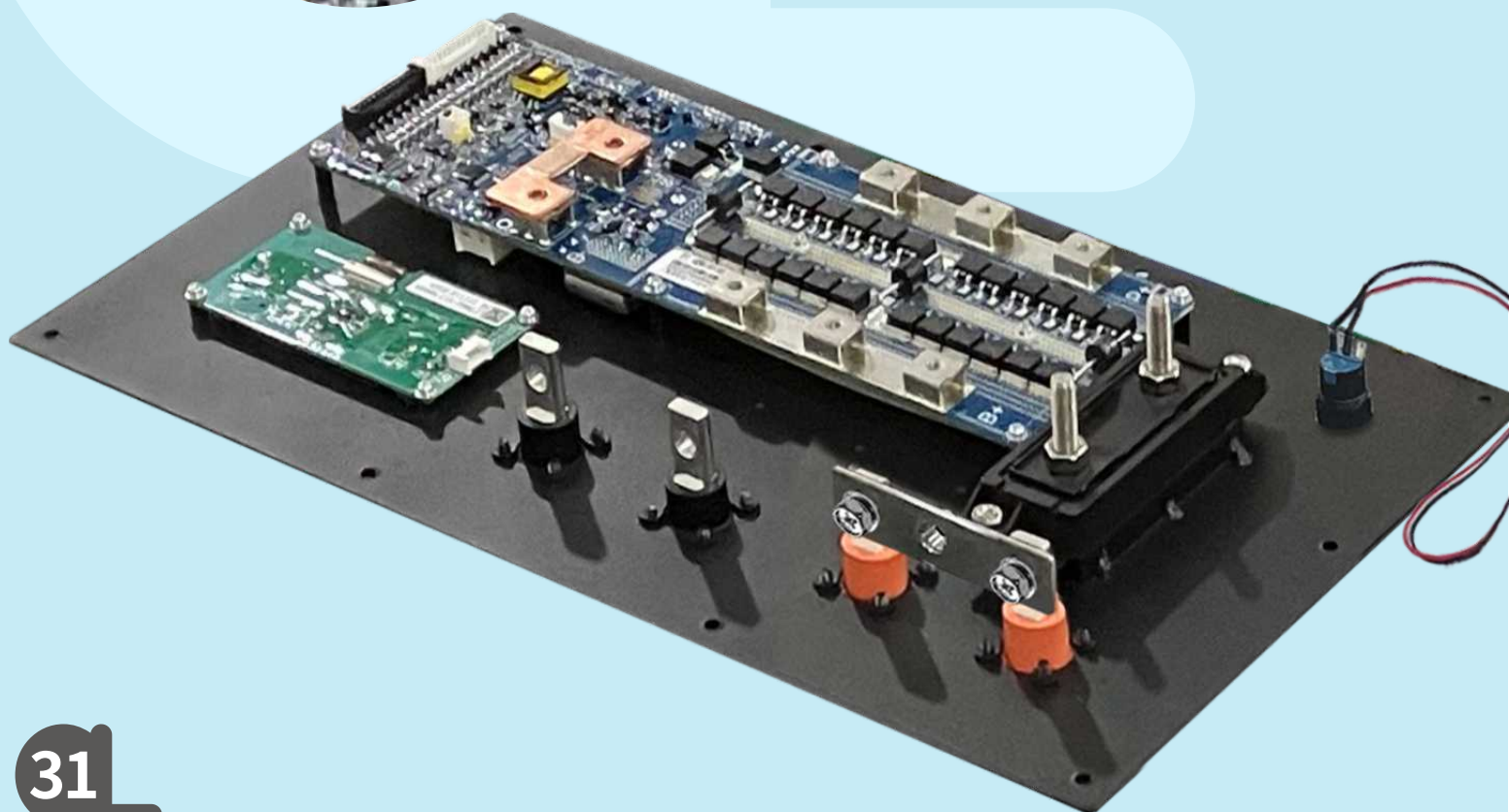
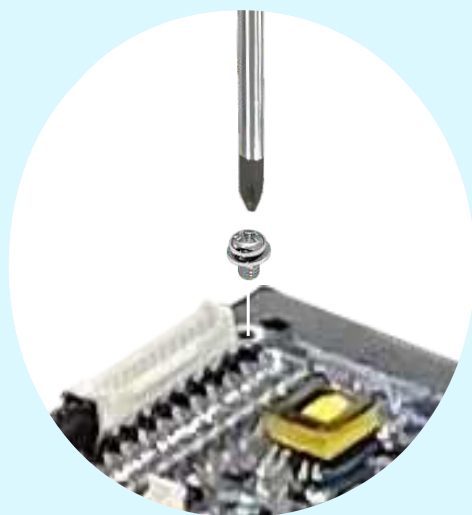
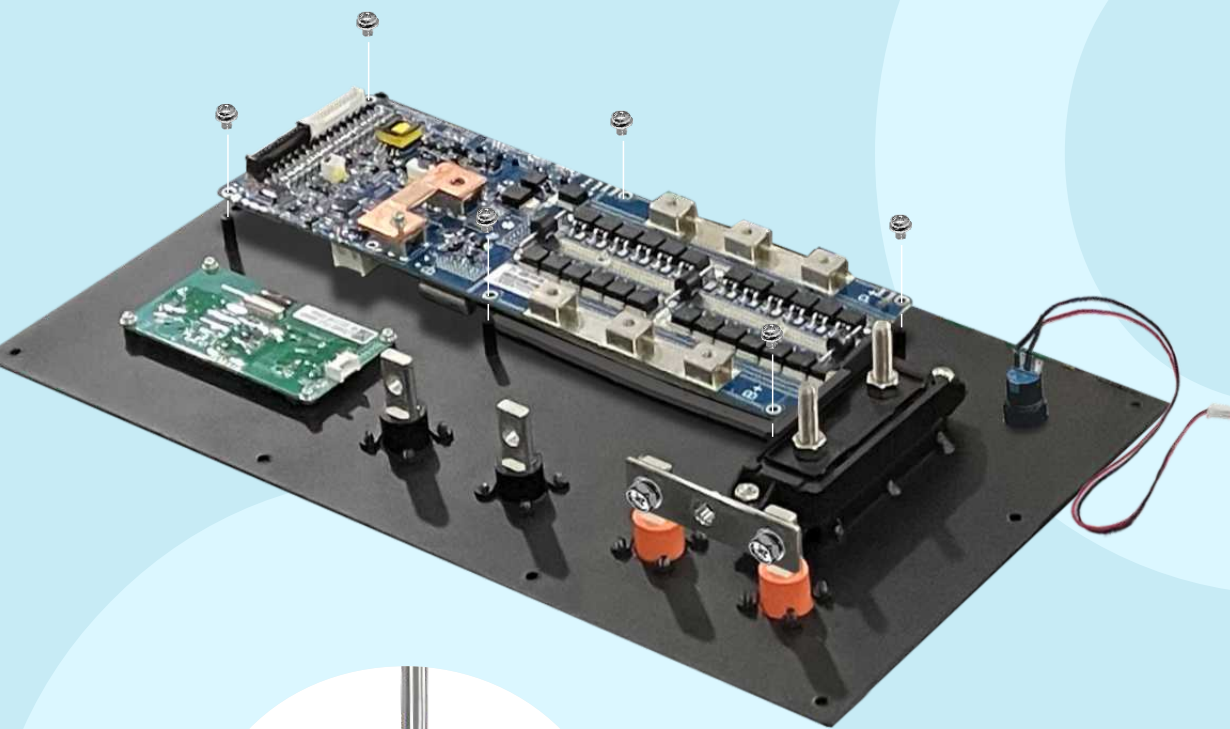
wires and screws are used in the next stage





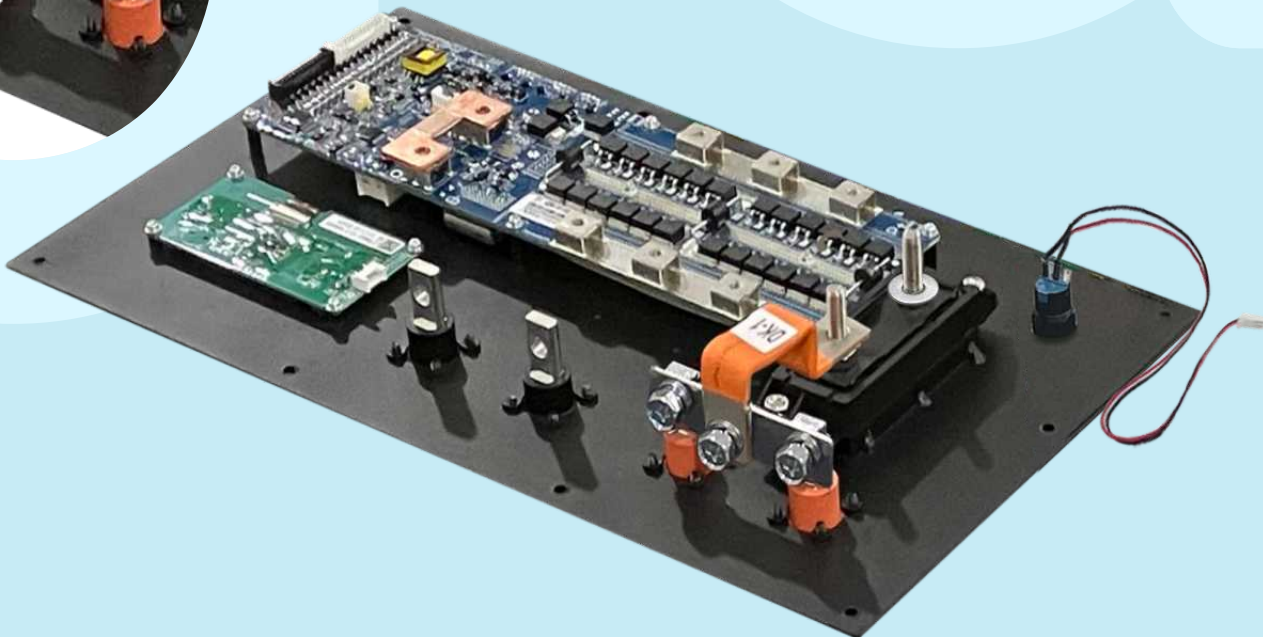
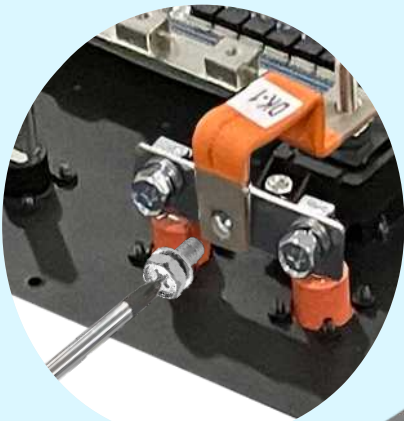
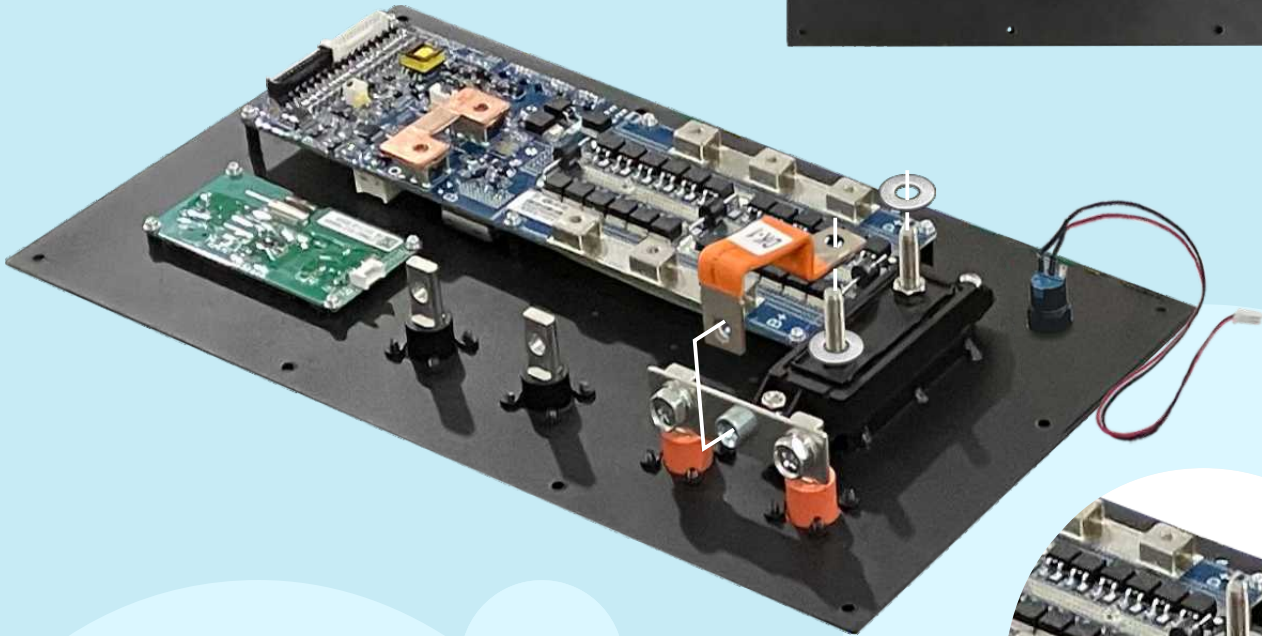


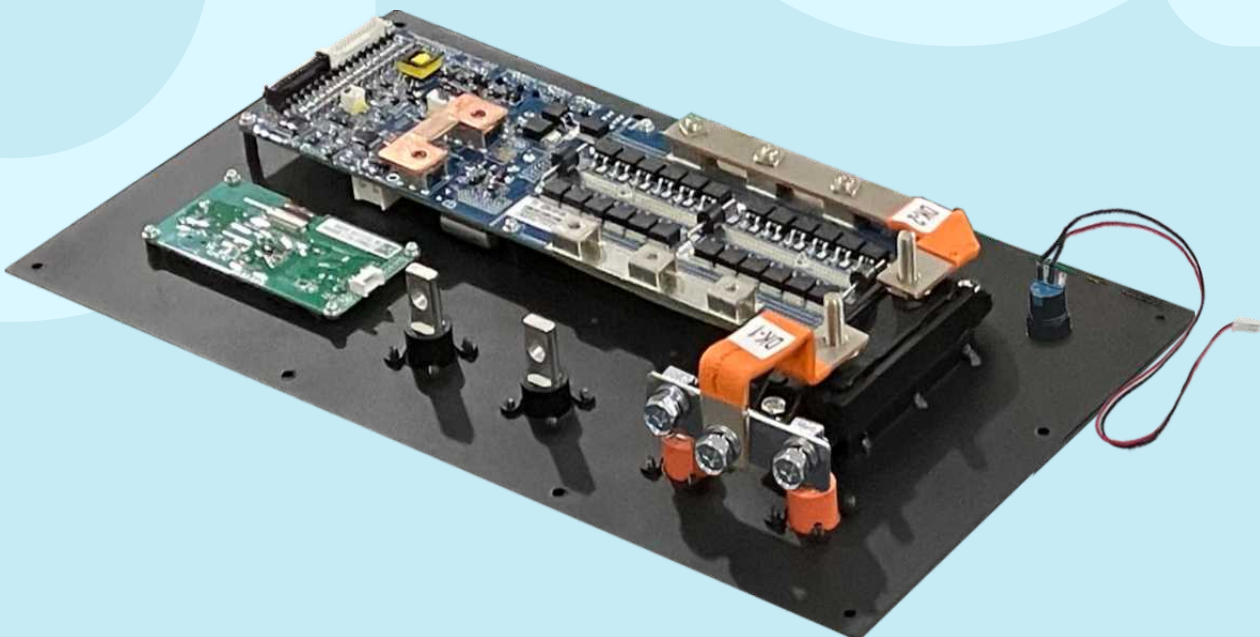
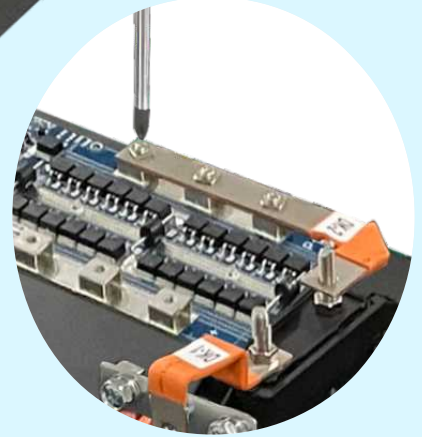
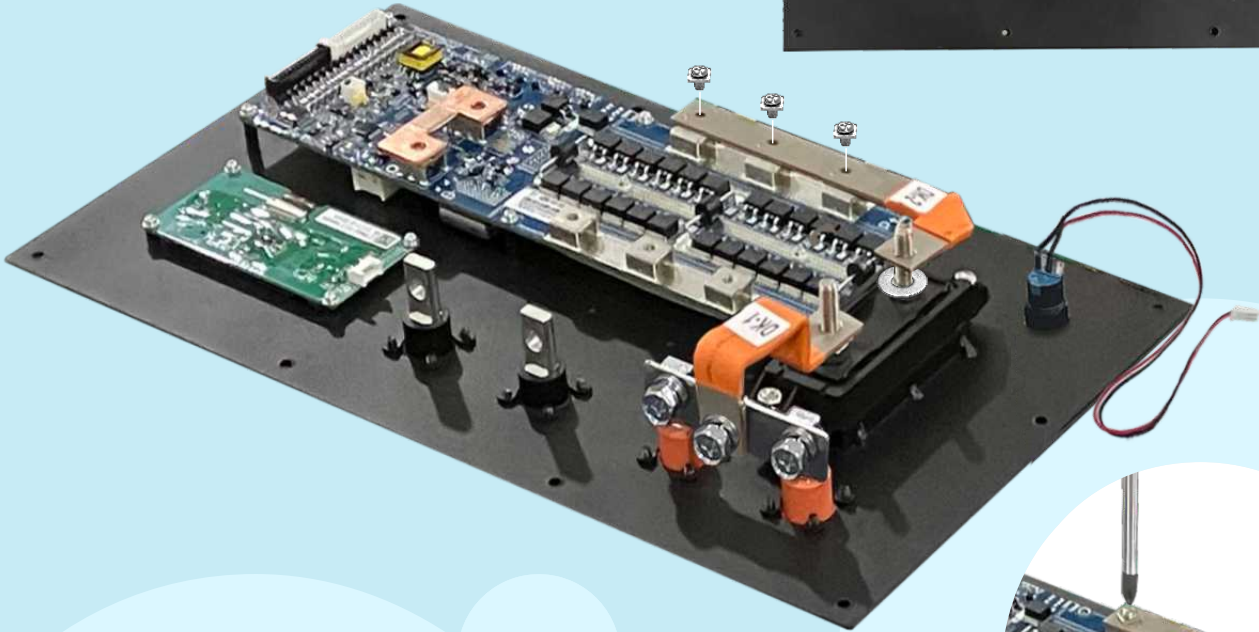


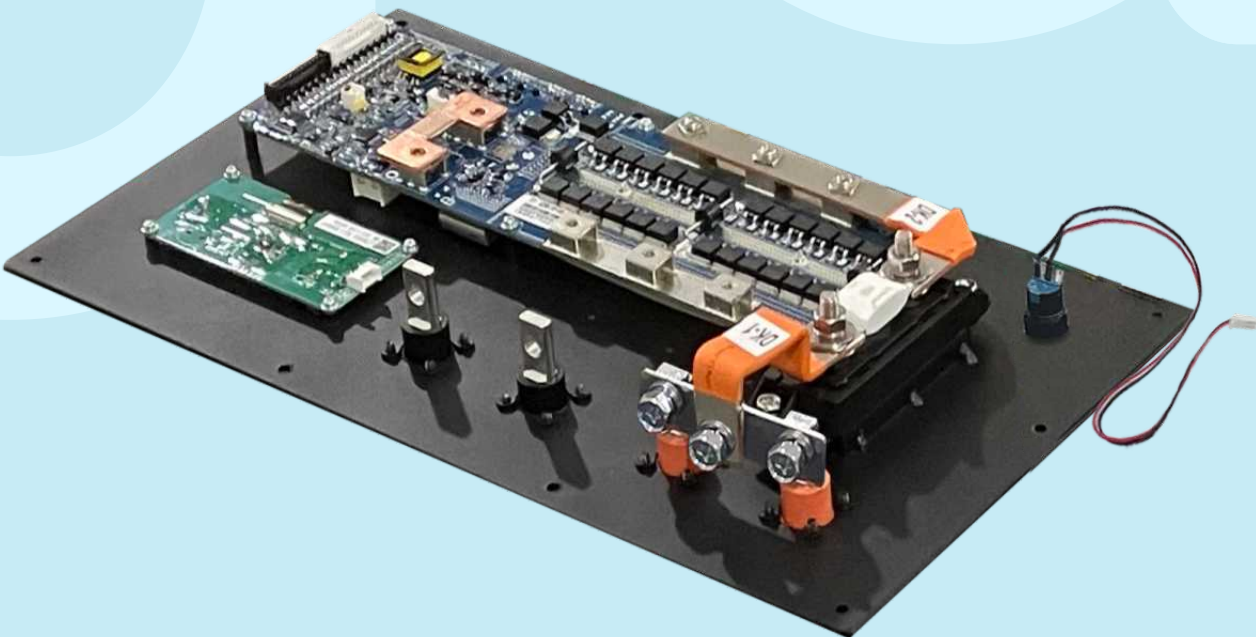
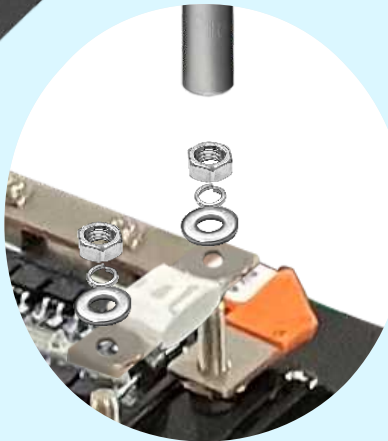
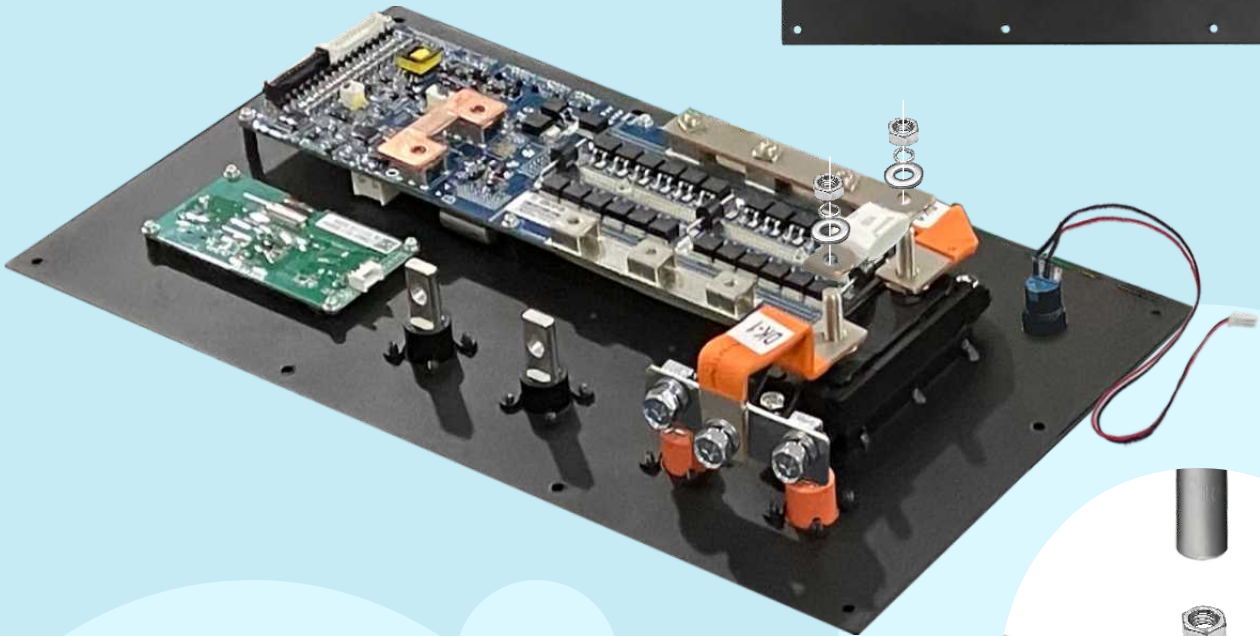


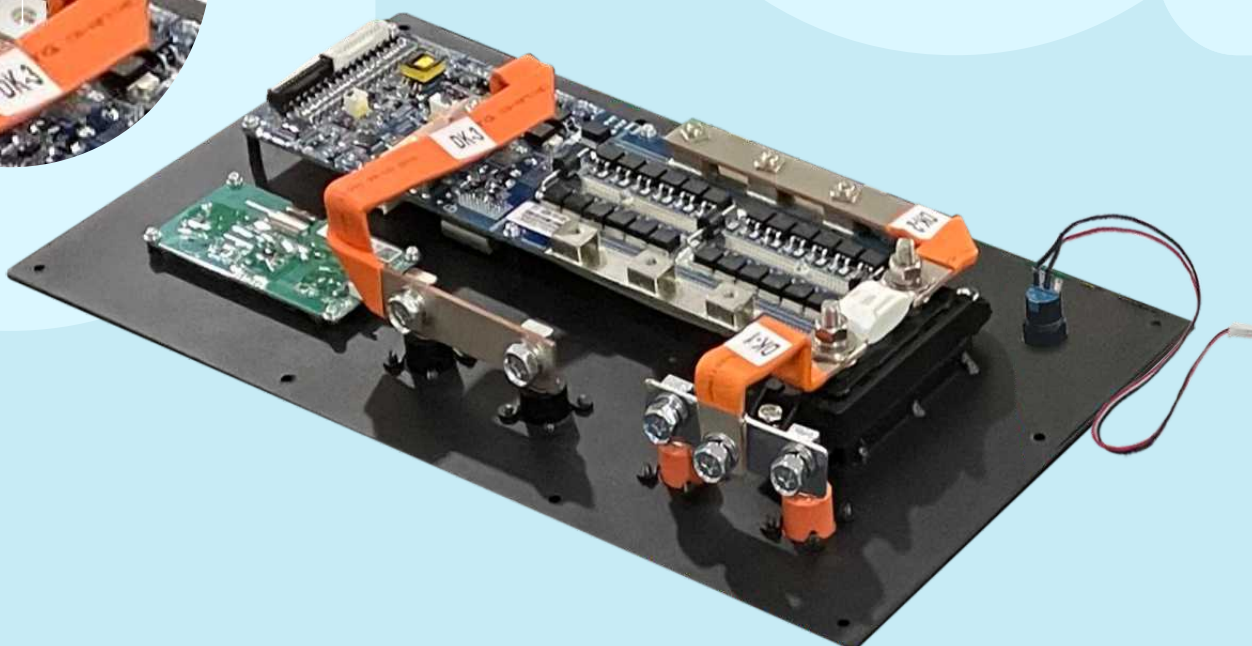
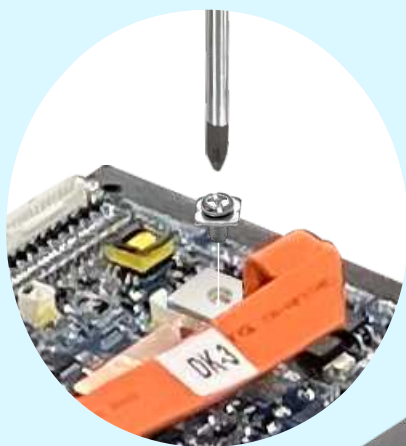
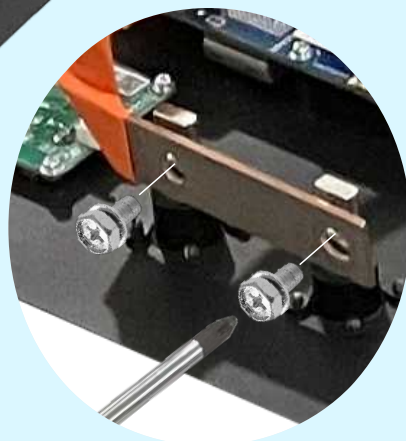
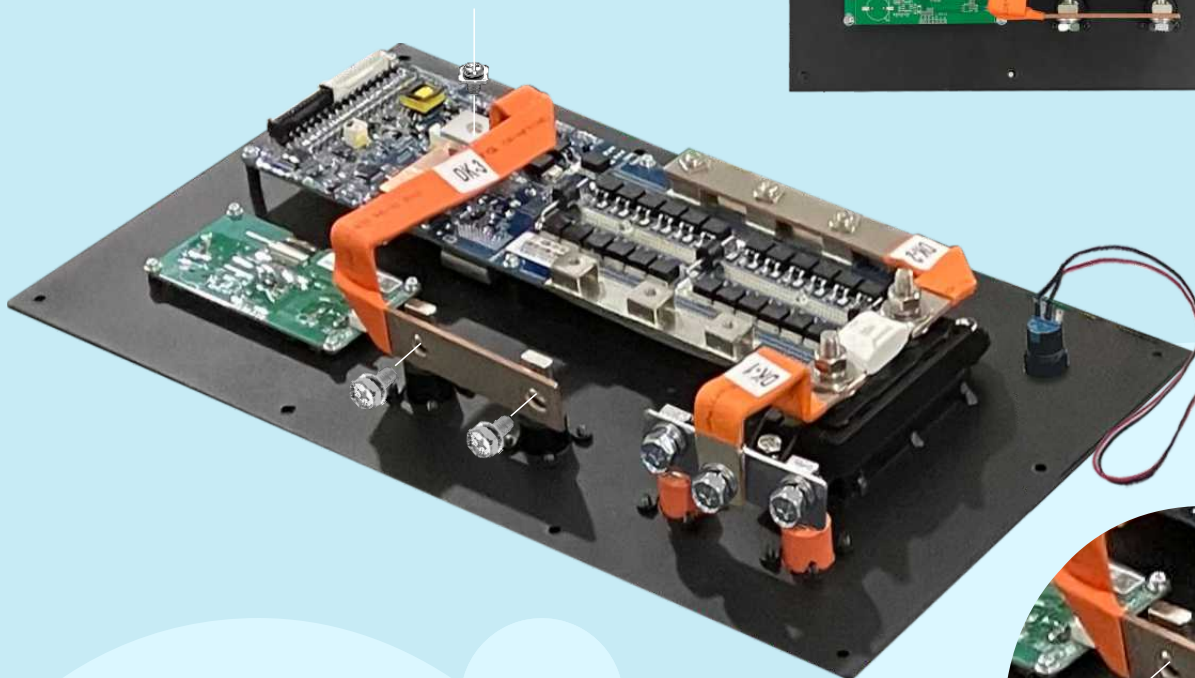
MAIN BOARD

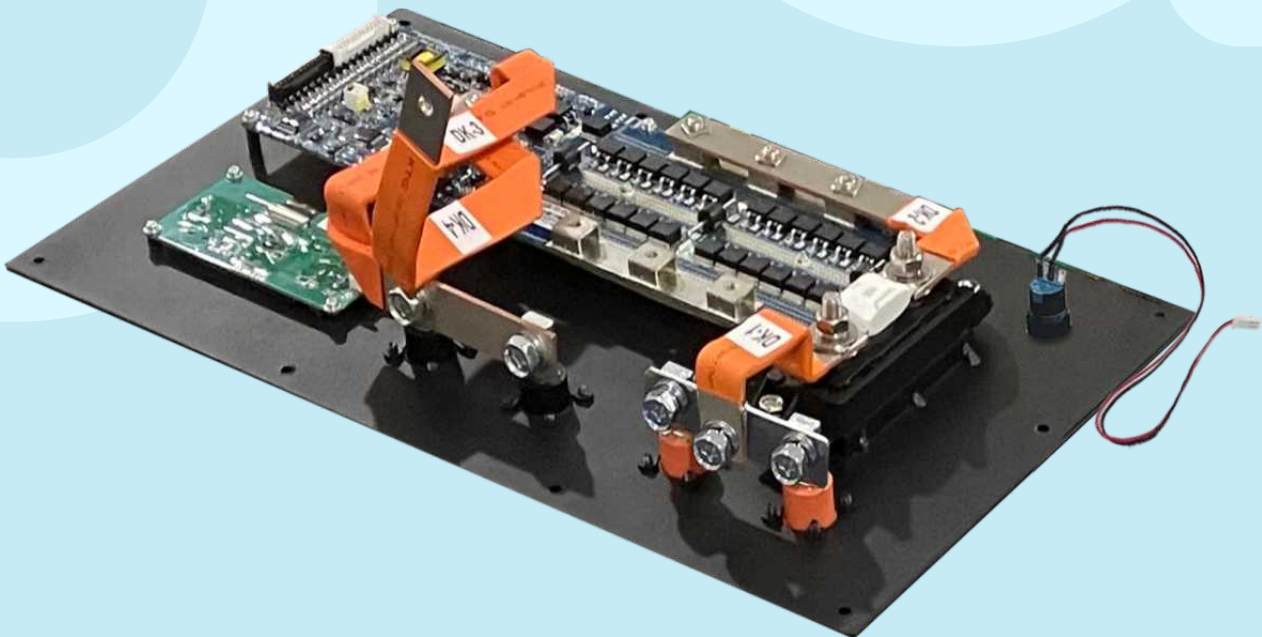
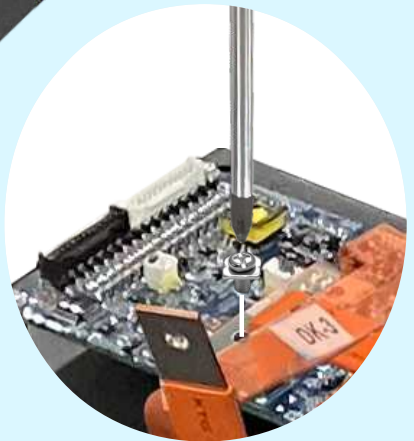
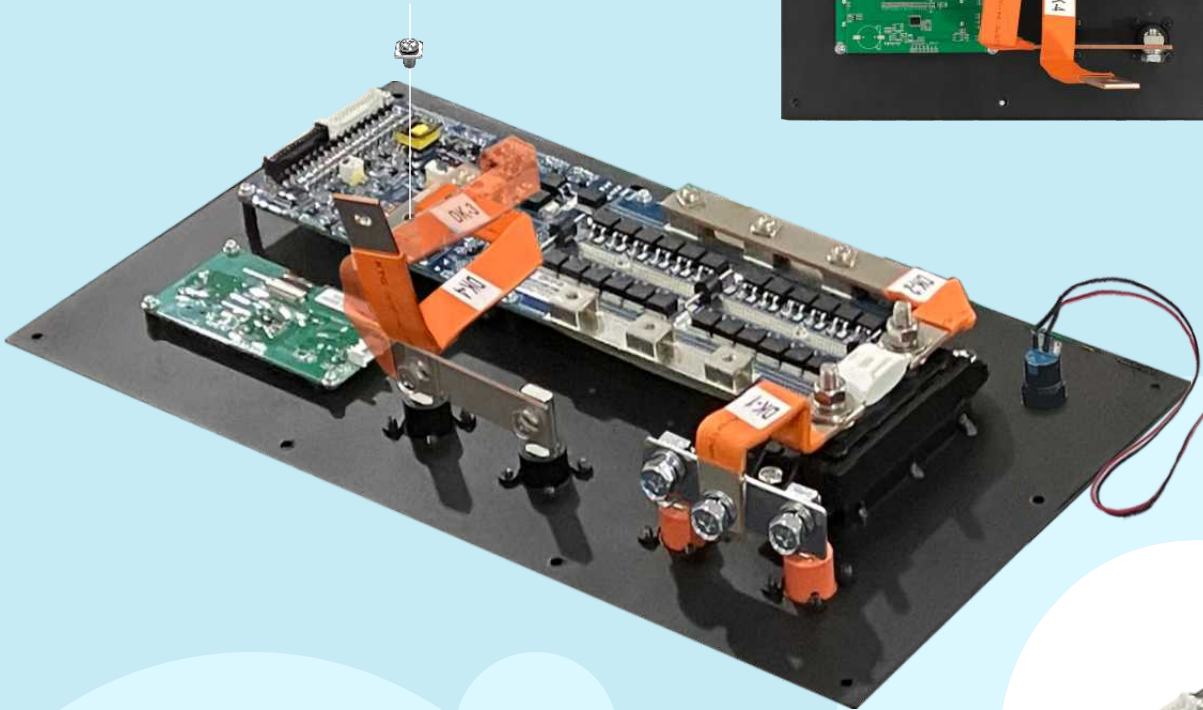


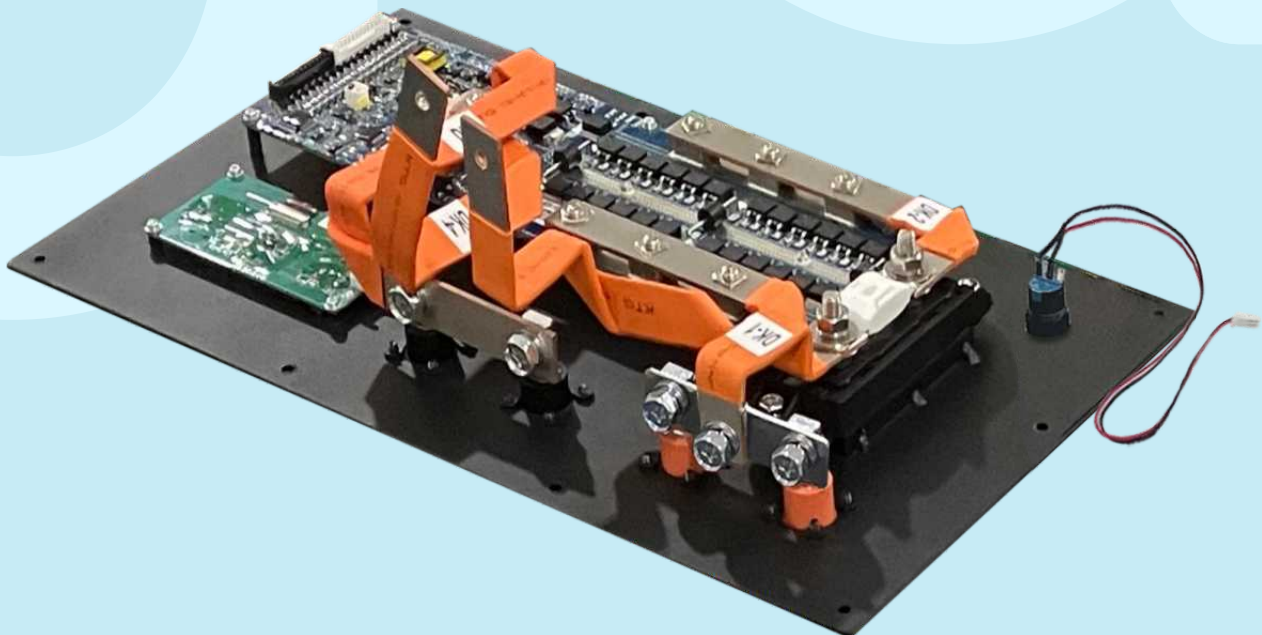
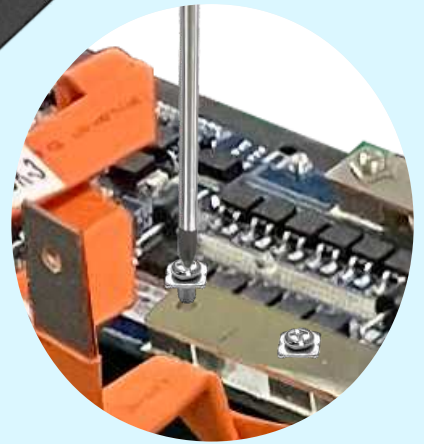
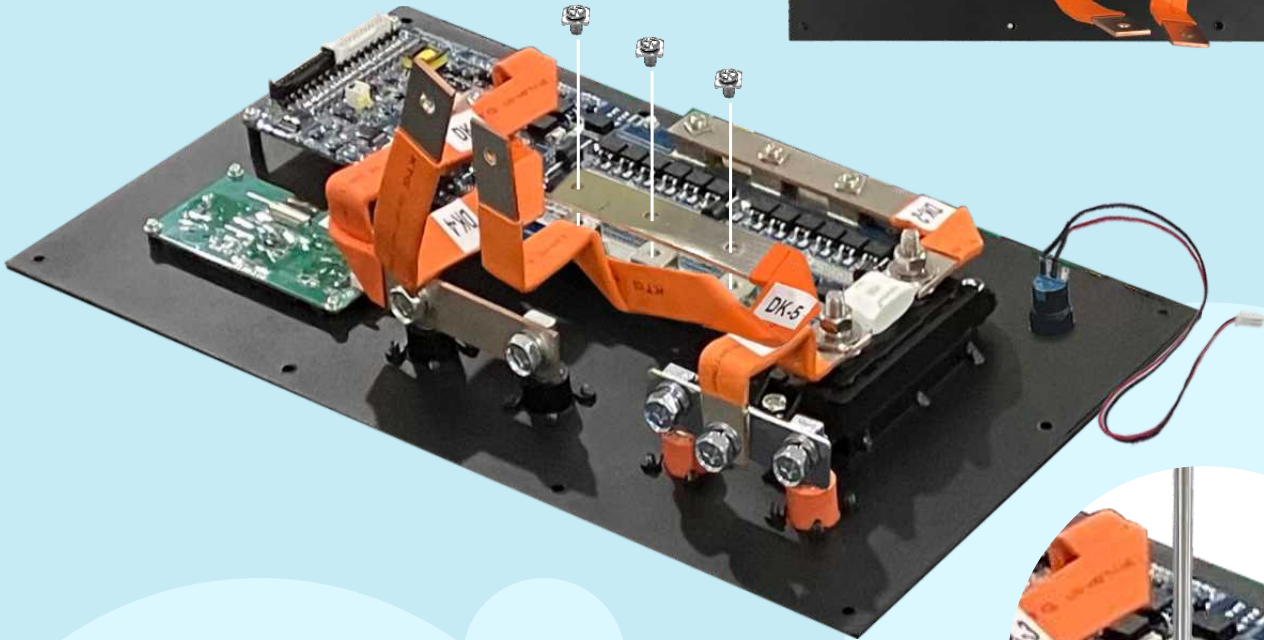








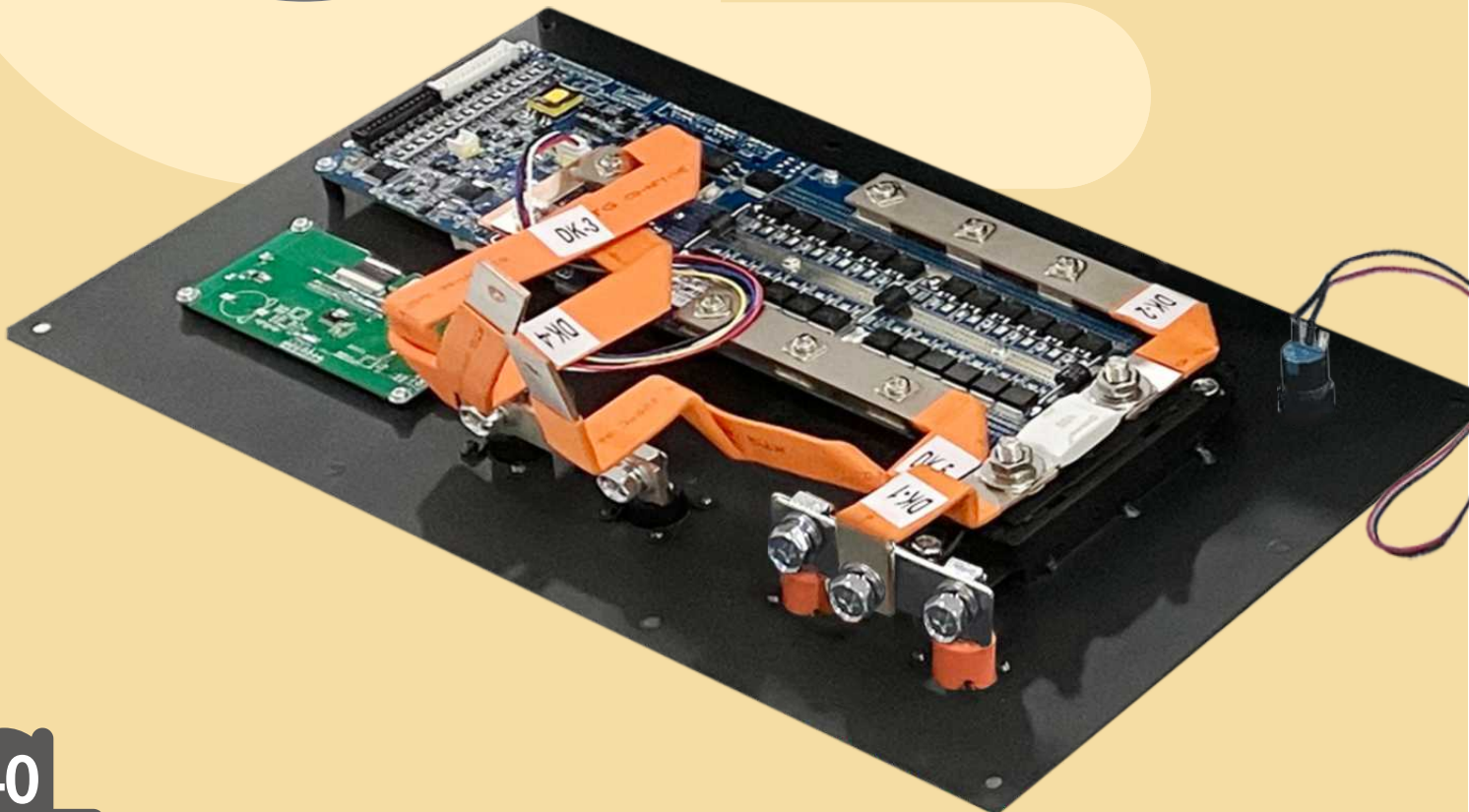
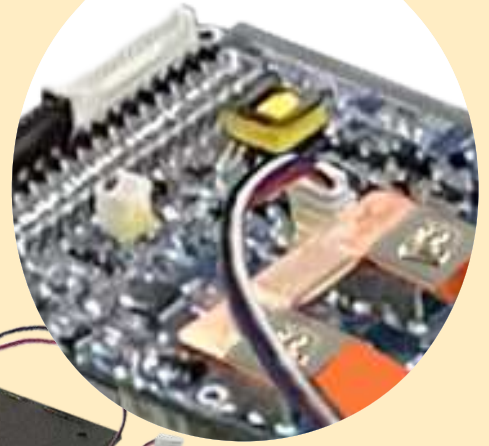
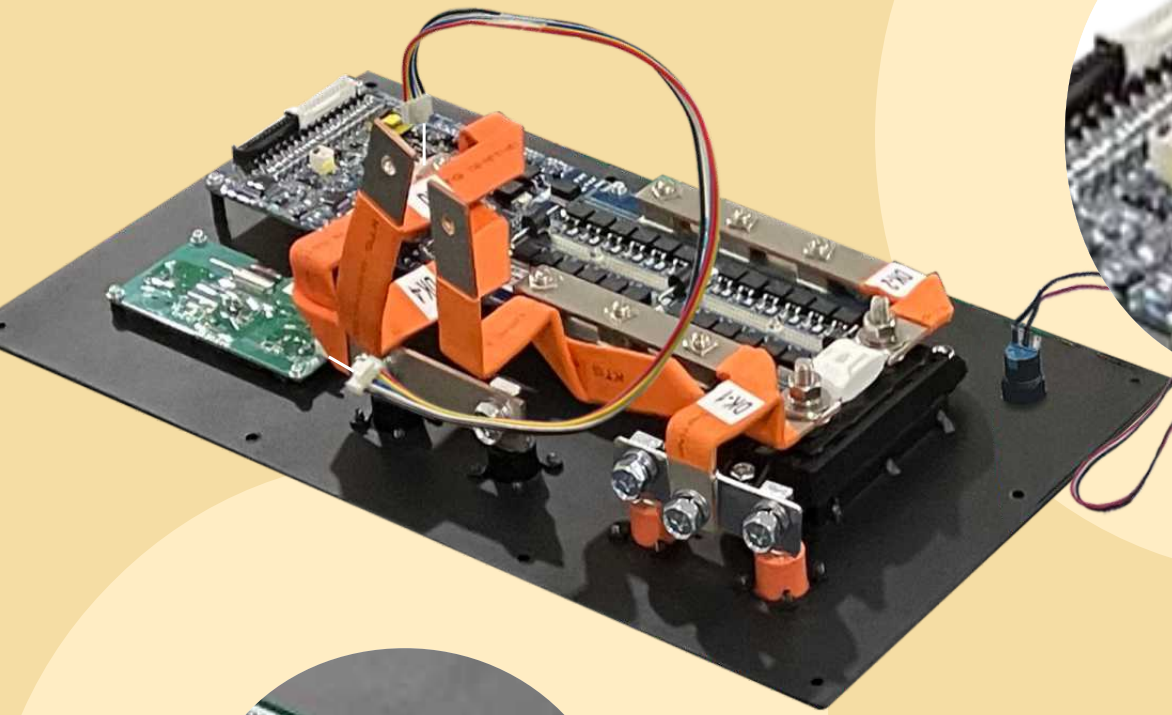


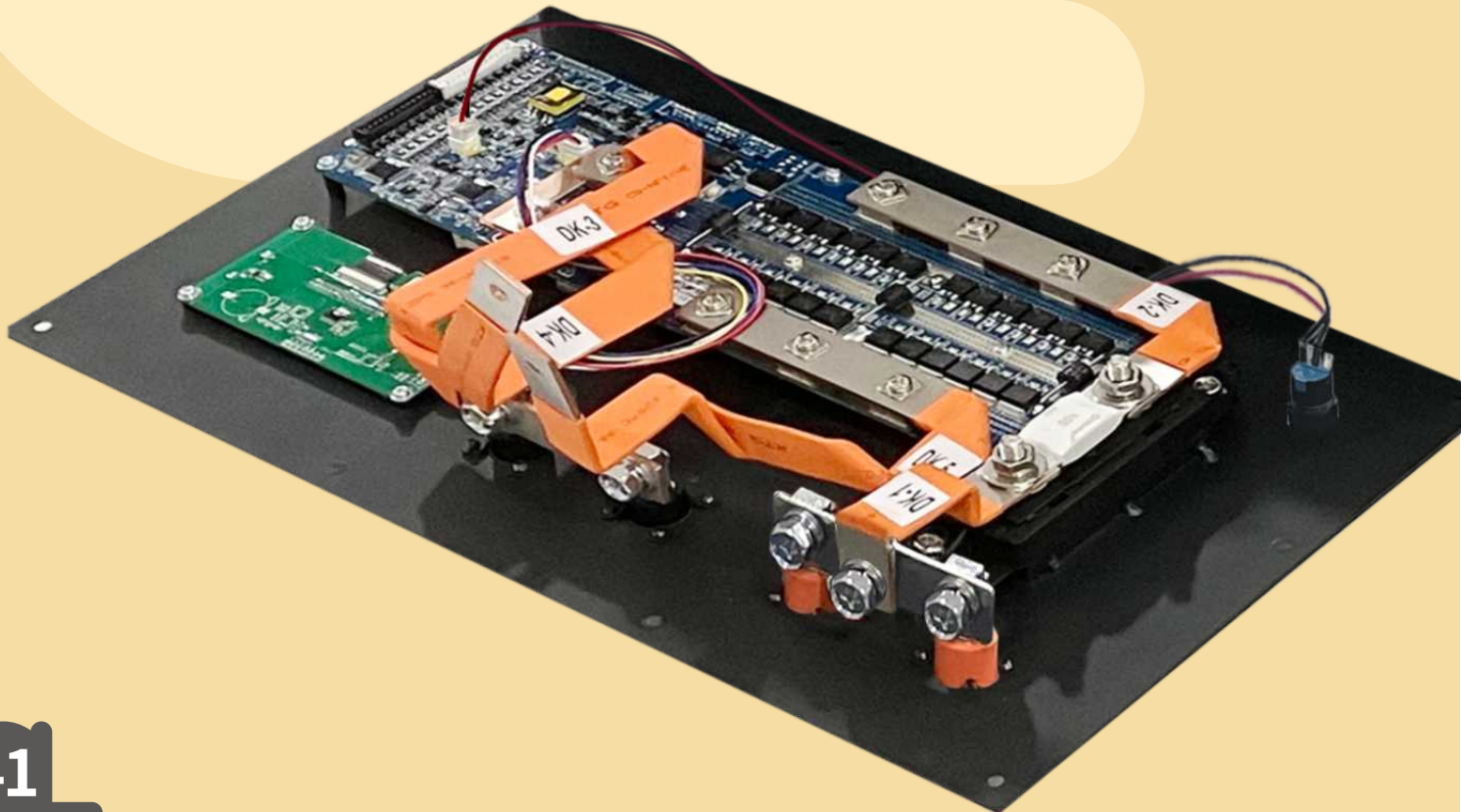
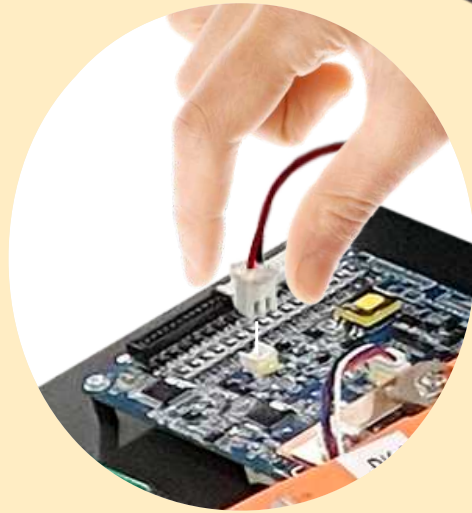
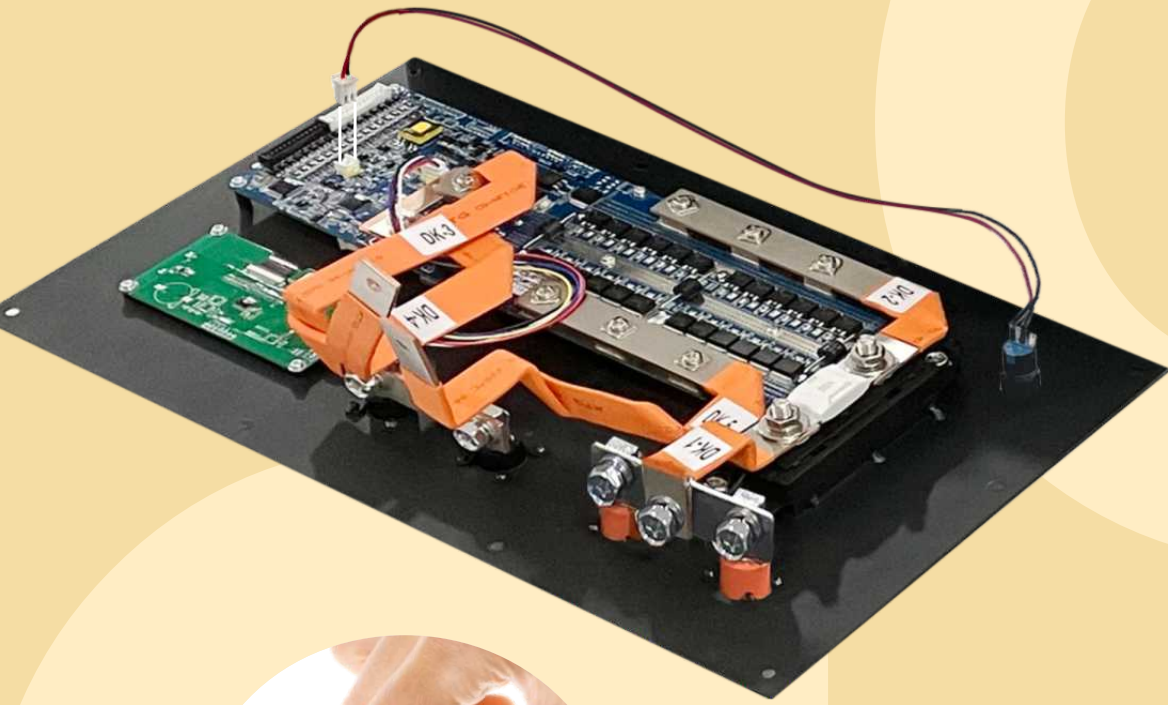


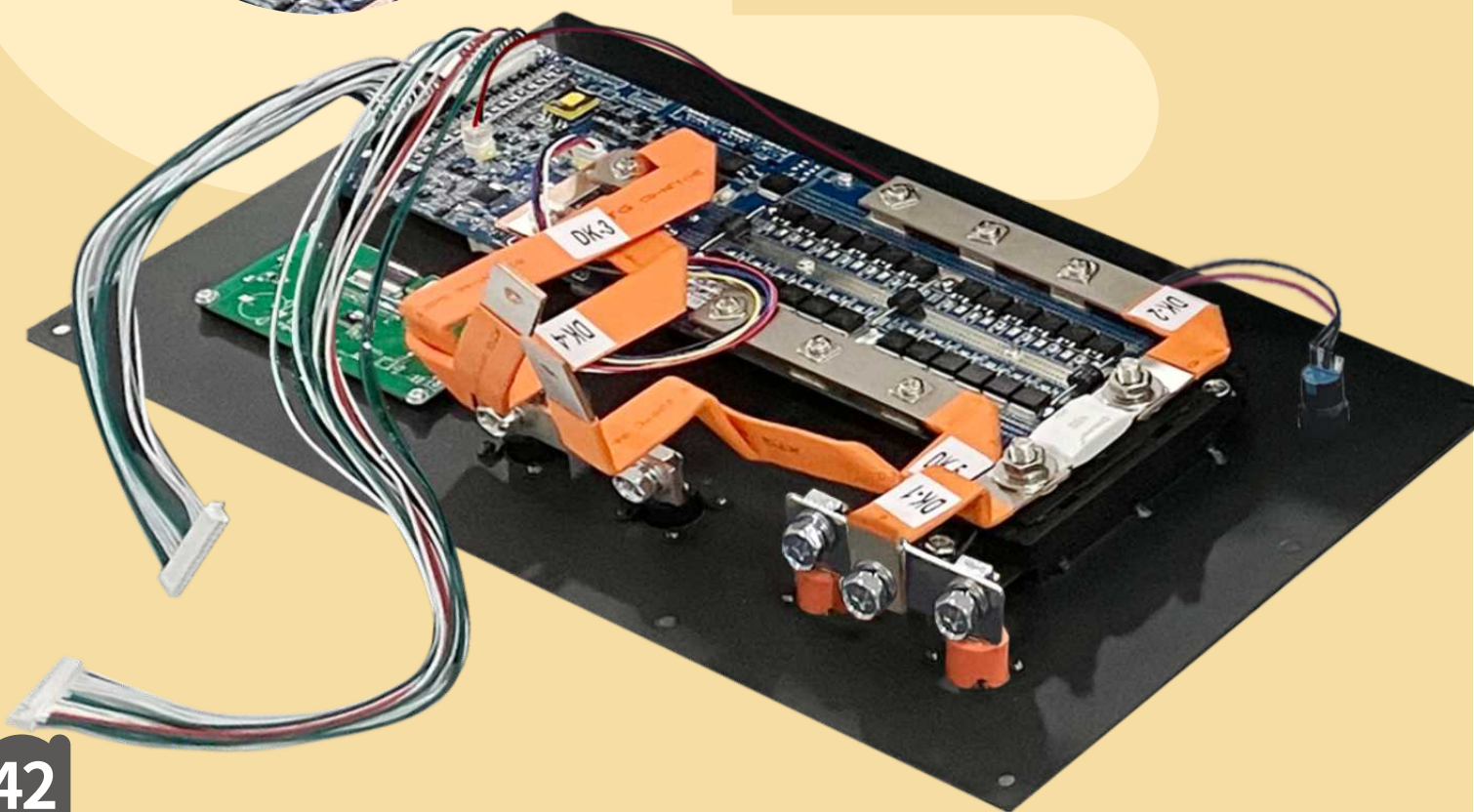
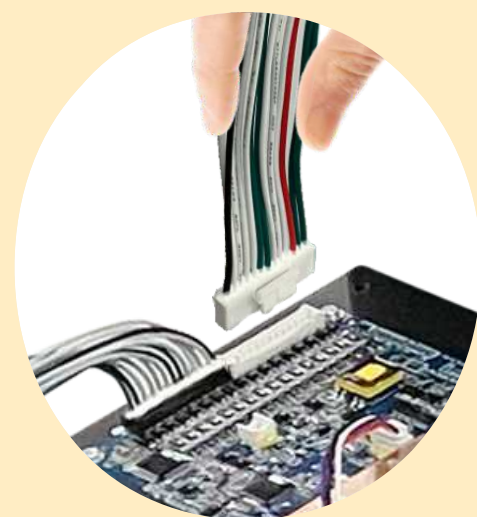
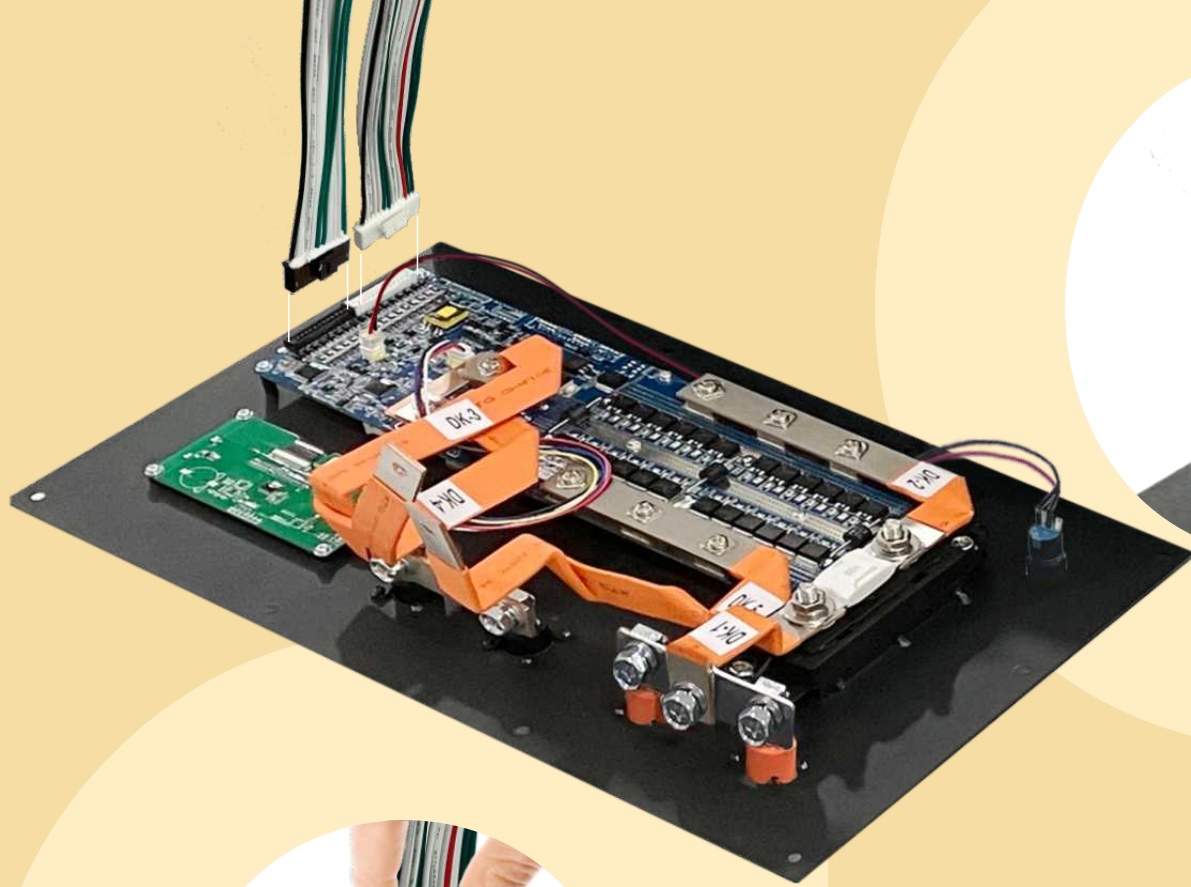
COMPLETION AND INSPECTION

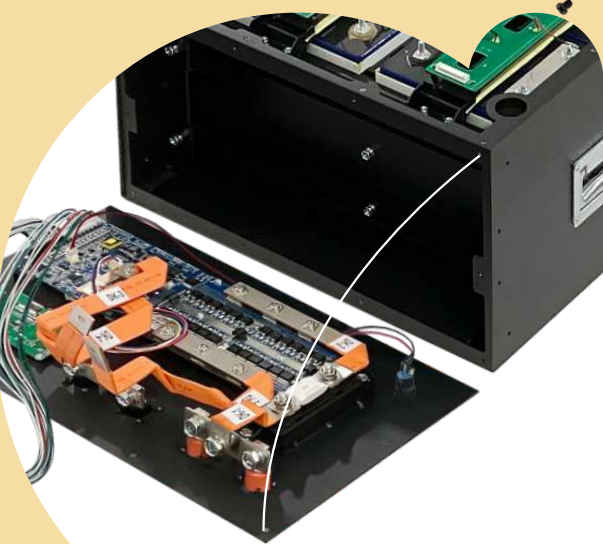
6















Long wire



Warning:

Connect the short wire first then connect the longer one, otherwise may cause BMS damage!



short wire











Making **suitable** solar storage system
for **different homes** around the world

