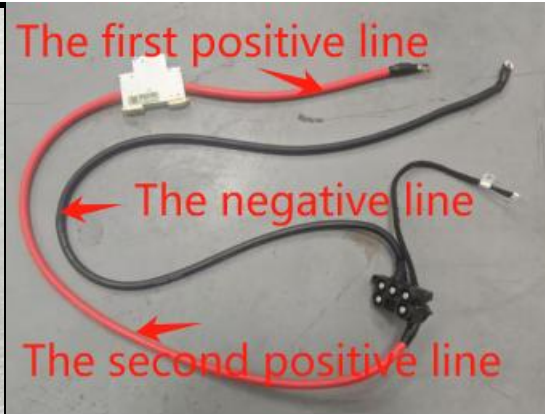# PiLV1 BMU Battery recharge

1. Tools preparation

Connector plug (Need Get from Pytes)

Three cables

100A breaker

Sleeve

DC power supply

Insulation tape and screws

2. Production process

2.1 Connect the 100A breaker between two positive wires.
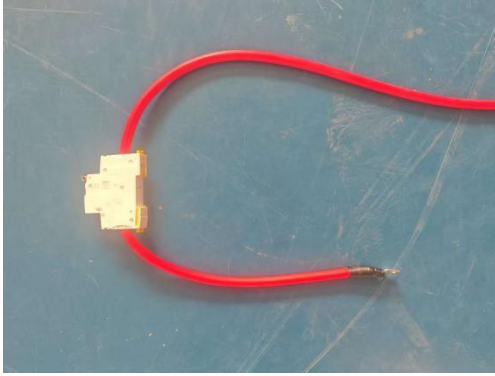   Prepare the one negative wires.

Figure 1   Figure 2

2.2 As shown in the Figure 3, facing the side which have the communication line(the communication line is located below). Connect the end of a black cable to the negative point(point 2).Then connect the end of a red cable to the positive point(point 3), fix them tightly with screws and use insulating tape to insulate all five metal contacts as shown in the Figure 4.

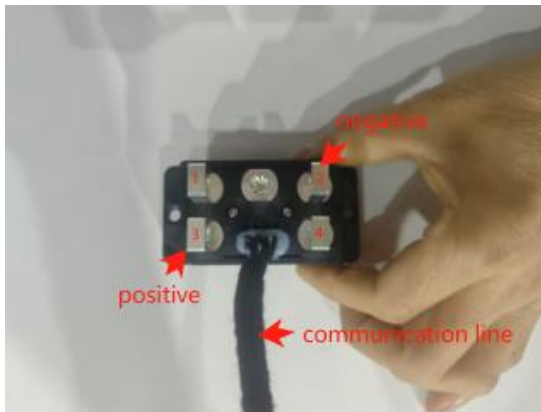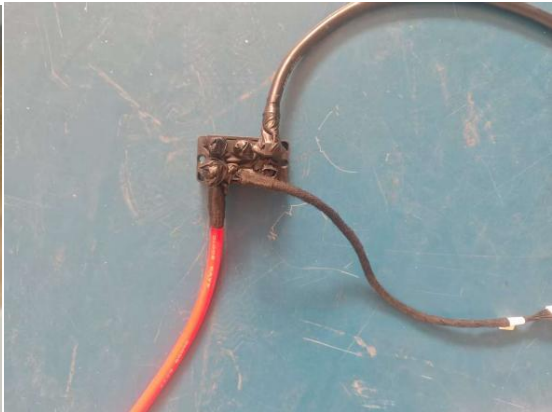Figure 3   Figure 4

2.3 Connect the two ends (positive and negative) of the cable to the DC power supply (positive and negative) respectively.

Figure 5

3. Function verification
3.1 Battery recharge

3.1.1 Insert the Connector plug (S-end) into the Connector plug (P-end) and press the switch on the back of the battery.
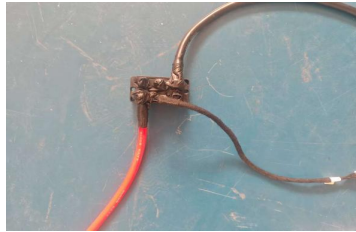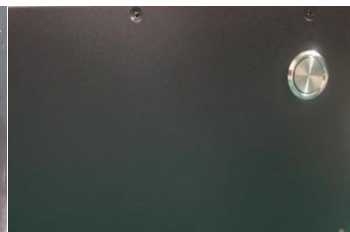

Figure 6	Figure 7	Figure 8

3.1.2 Turn on the DC power supply switch(Set to constant voltage mode with the voltage of 48V and the current of 2A) and turn on the 100A breaker.

Figure 9	Figure 10

3.1.3 Press the DC power supply button (On), start charging.

Figure 11	Figure 12

3.2 Battery recharge completed

3.2.1 Turn off the DC power supply button(Off) and turn off the 100A breaker after the current returns to zero.

| Figure 13 | Figure 14 |

3.2.2 Turn off the DC power supply switch, remove the Connector plug (S-end)and turn off the battery power switch on the back of the battery.
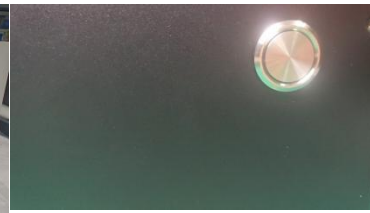

| Figure 15 | Figure 16 | Figure 17 |