

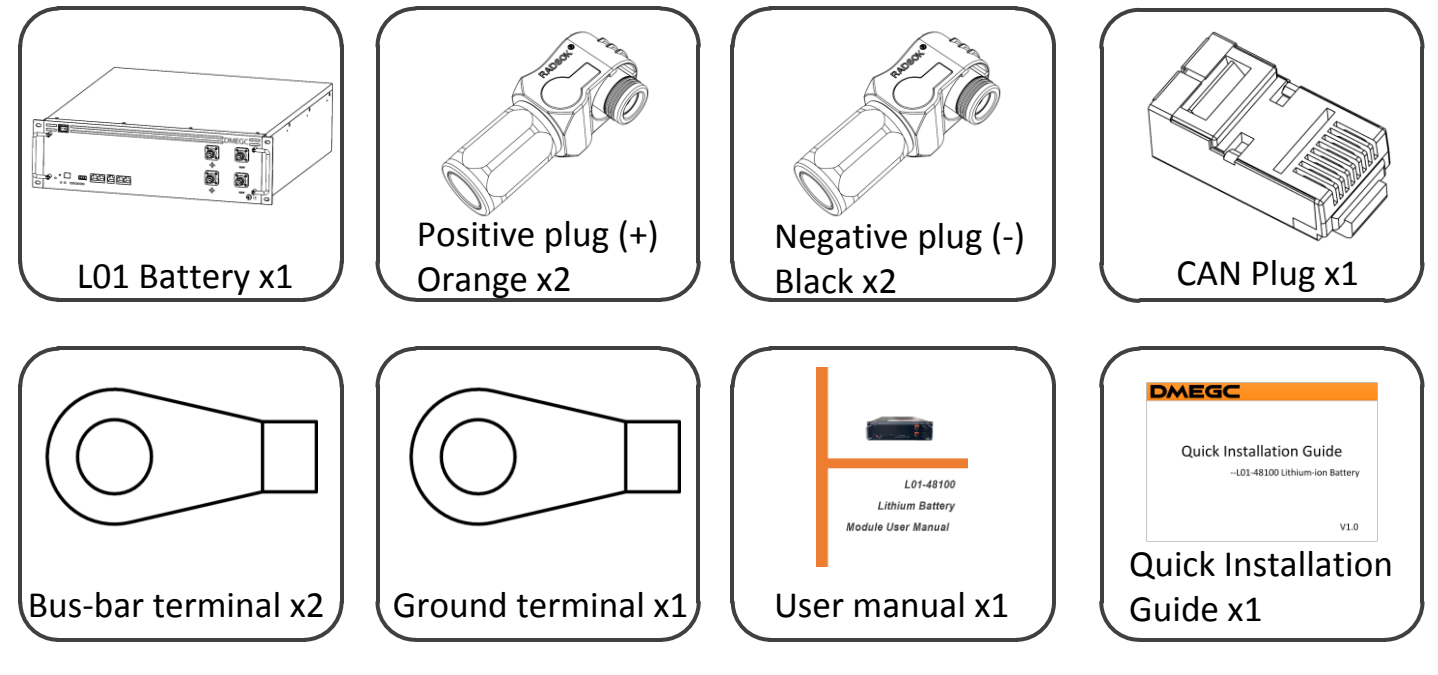
# Quick Installation Guide

--L01-48100 Lithium-ion Battery

V1.0

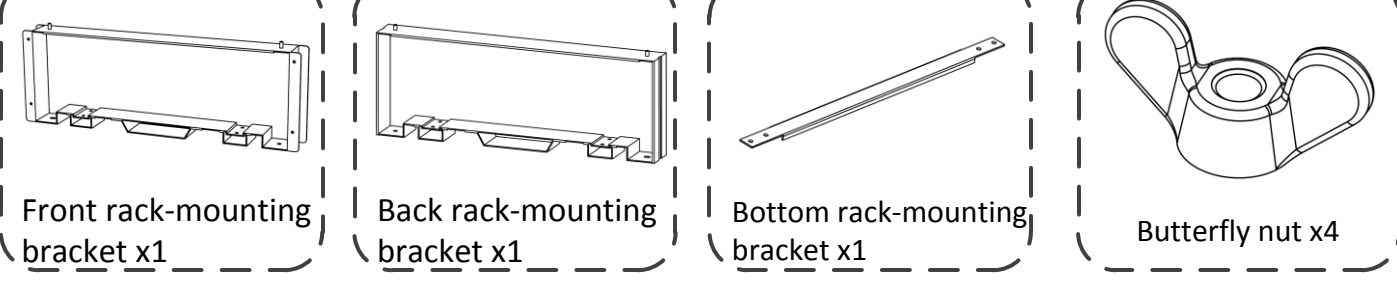
## I Packing List

Note: The quick installation guide briefly describes required installation steps. If you have any questions during the installation, please refer to the User Manual for more detailed information.



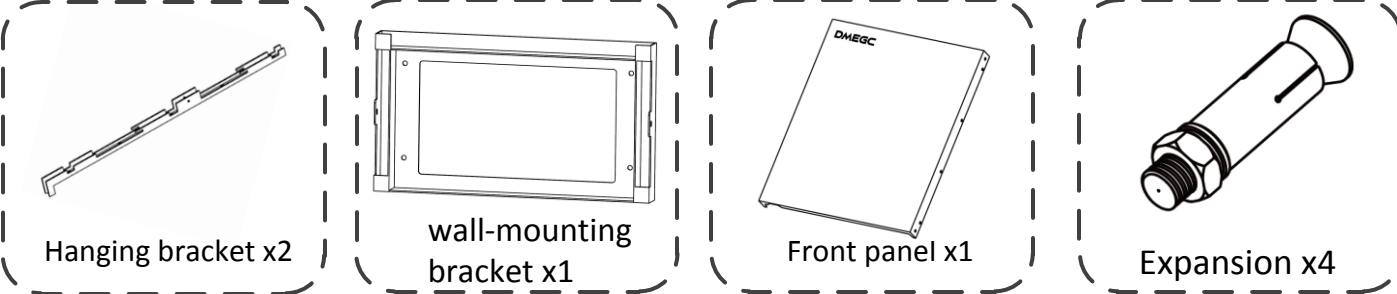
## I Packing List

Rack-mounting Installation accessories(optional)



Notice The screws and cables are not listed in above accessories.

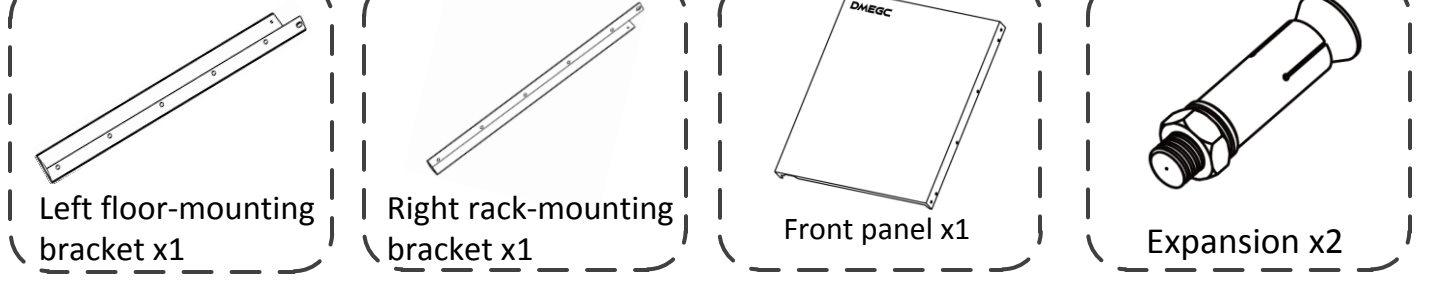
Wall-mounting Installation accessories(optional)



Notice The screws and cables are not listed in above accessories.

## I Packing List

Floor-mounting Installation accessories(optional)



Notice The screws and cables are not listed in above accessories.

## II Installation Prerequisites

Make sure that the installation location meets the following conditions:

- The building is designed to withstand earthquakes
- The location is far away from the sea, to avoid sea water and humid air
- The floor is flat and level
- There are no flammable or explosive materials nearby
- The ambience is shady and cool, keep away from heat as well as direct sunlight
- The temperature and humidity stay at a constant level
- There is minimal dust and dirt in the area
- There is no corrosive gases present, including ammonia and acid vapor
- The ambient temperature is with the range from 0°C to 55°C and the optimal ambient temperature is between 15°C and 35°C

Notice

The L01 battery is rated at IP20 and thus must be installed indoors.

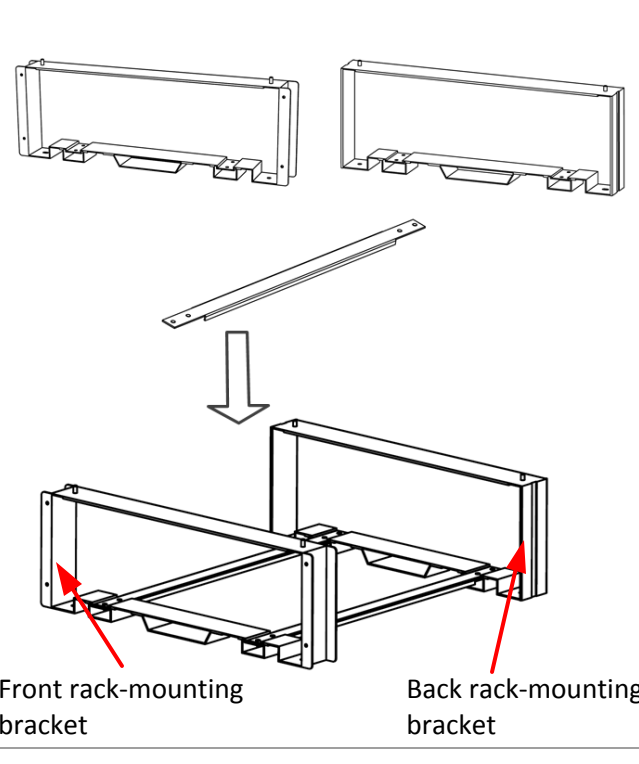
Notice

If the ambient temperature is beyond the operating range, the battery pack will stop operating to protect itself. The optimal temperature range for the battery pack to operate is from 15°C to 35°C. Frequent exposure to harsh temperatures may deteriorate the performance and lifetime of the battery module.

## III Battery Installation

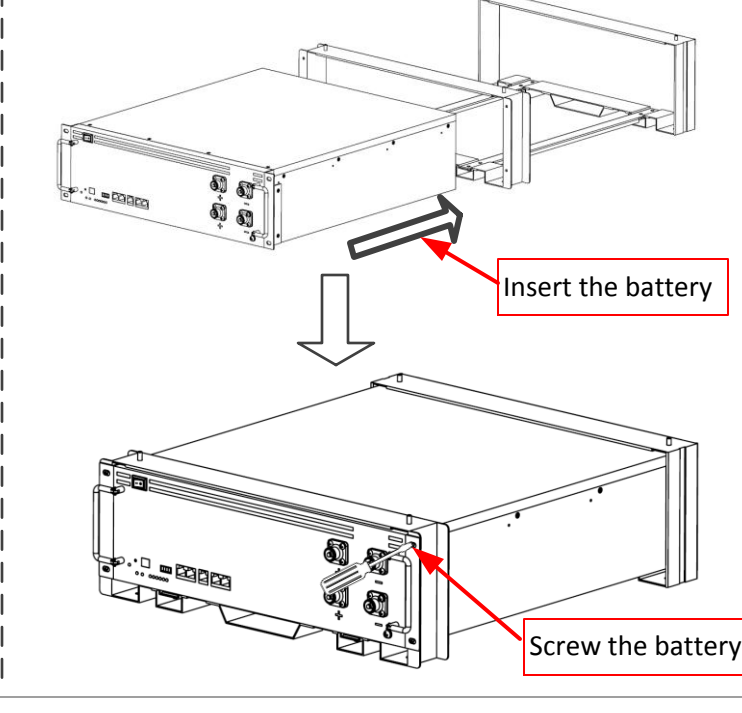
### 1. Rack-mounting Installation

-Install the front and back brackets with bottom brackets



-Insert the L01 battery into the brackets

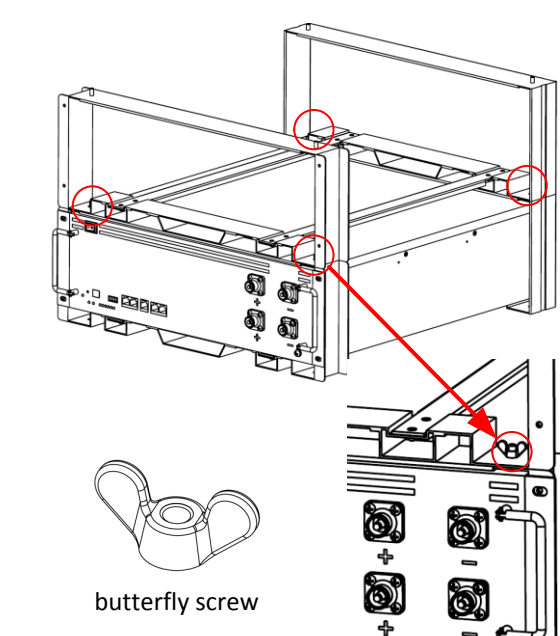
-Screws the battery with the bracket



## III Battery Installation

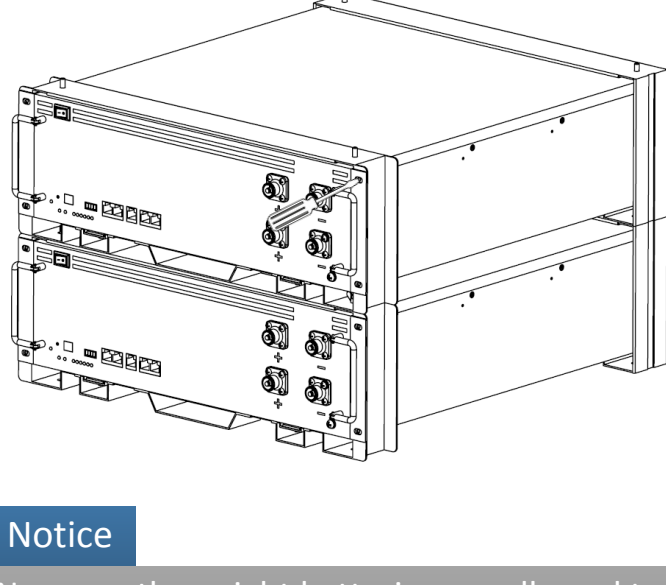
### 1. Rack-mounting Installation

-Install another pair of brackets on the first one -screws them with four butterfly screws



-Insert another L01 battery into the brackets

-Screws the battery with the bracket



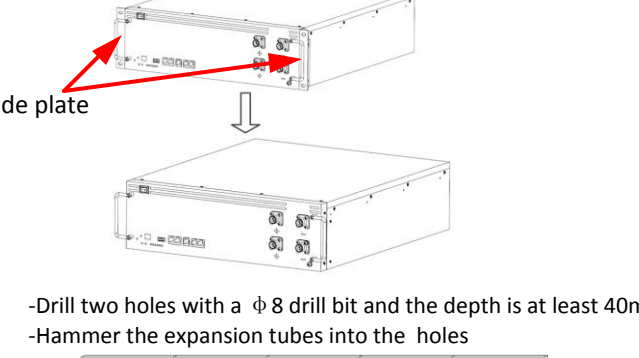
Notice

No more than eight batteries are allowed to stacked

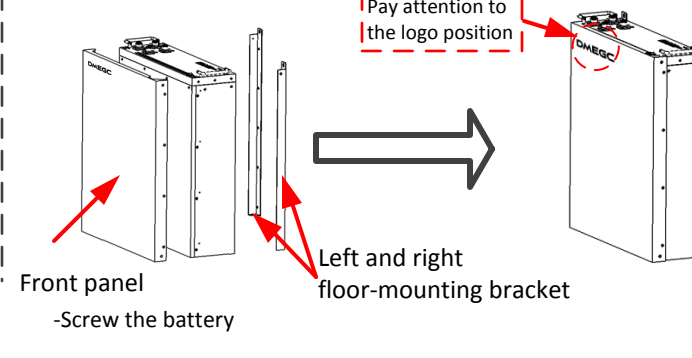
## III Battery Installation

### 2. Floor-mounting Installation

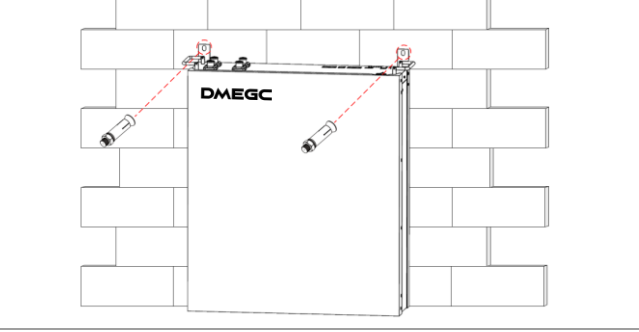
-Remove the side plate of L01 battery



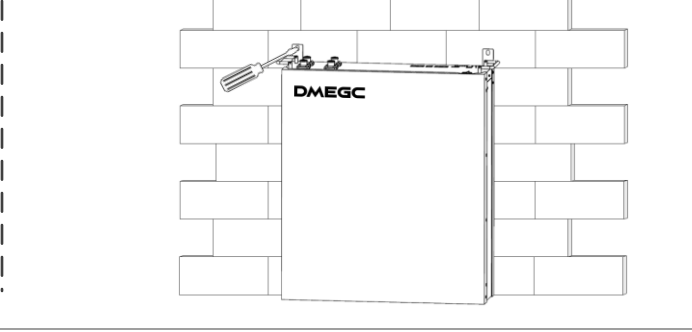
-Screws front panel and left, right floor-mounting bracket with the battery



-Drill two holes with a Φ8 drill bit and the depth is at least 40mm



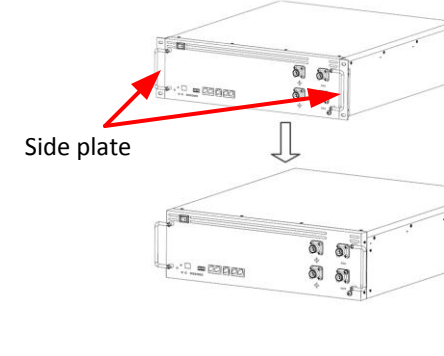
-Hammer the expansion tubes into the holes



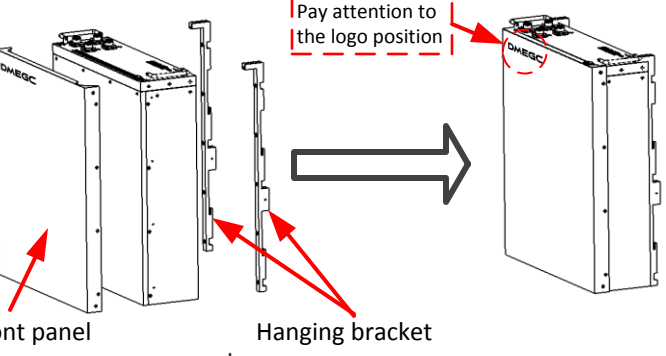
## III Battery Installation

### 3. Wall-mounting Installation

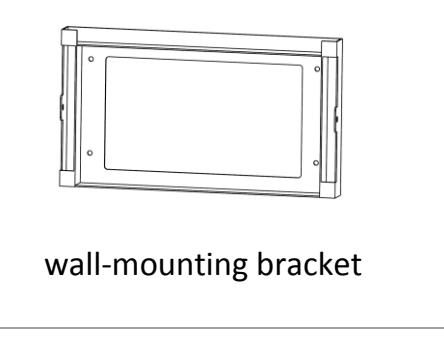
-Remove the side plate of L01 battery



-Screws front panel and hanging bracket with the battery

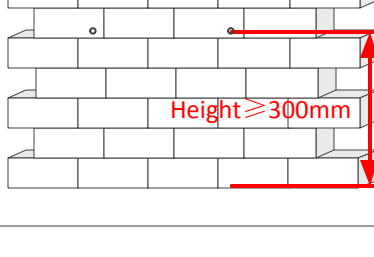


-Mark the position of the holes

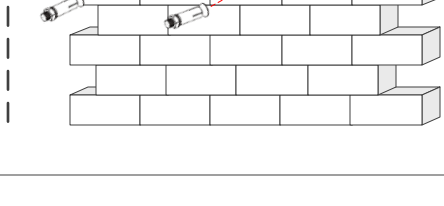


-Drill four holes with a Φ8 drill bit

-Depth: at least 40mm



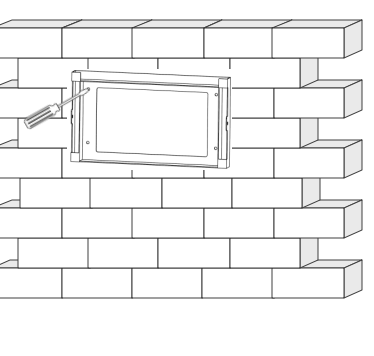
Height >= 300mm



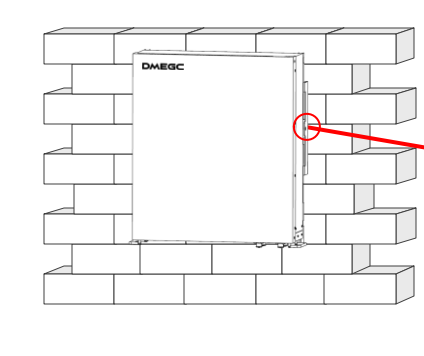
## III Battery Installation

### 3. Wall-mounting Installation

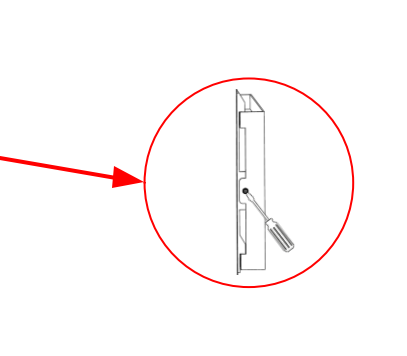
-Screw the expansion bolts



-Match the battery with the bracket

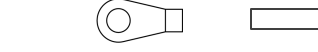


-Lock the joint between hanging board and wall bracket with M4 screws



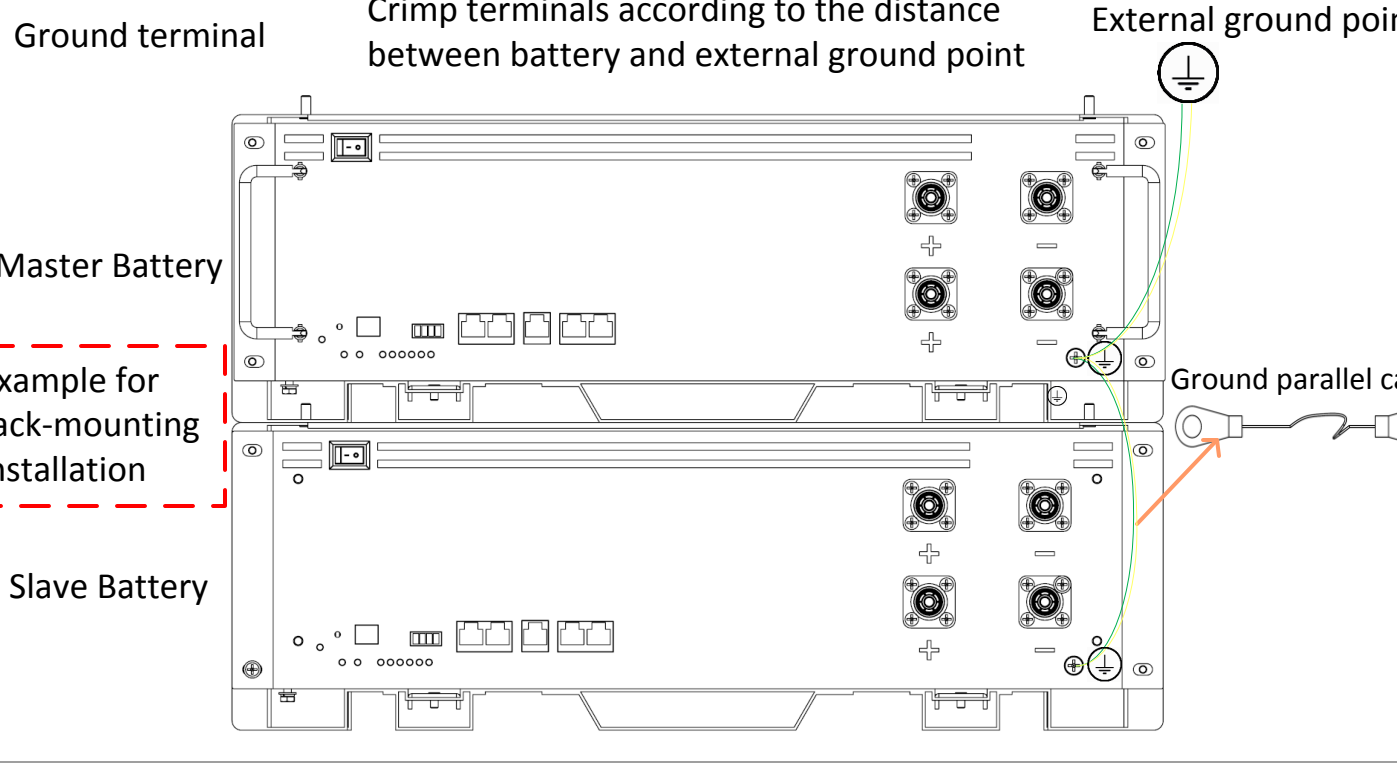
## IV Ground cable connection

-Crimping Ground terminal



Crimp terminals according to the distance between battery and external ground point

External ground point



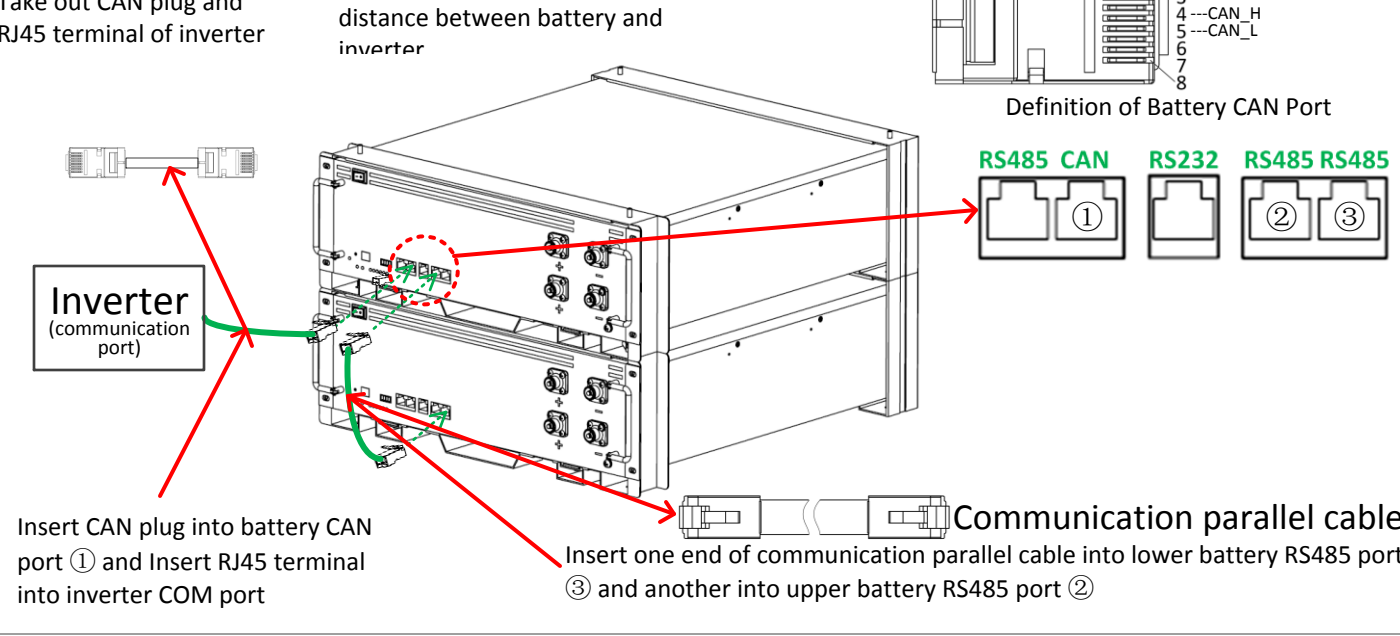
## V Communication cable connection

-Crimping CAN plug terminal



Caution:

When Crimping CAN plug terminal, only 2,4 and 5 PIN are needed. 4PIN is CAN\_H and 5PIN is CAN\_L. 2PIN is ground. Note that the RJ45 definition of inverter refer to the inverter definition.



## VI Power cable connection

### 1.Single Battery Work Mode

-Crimping power plug terminal



Positive plug (+) Orange



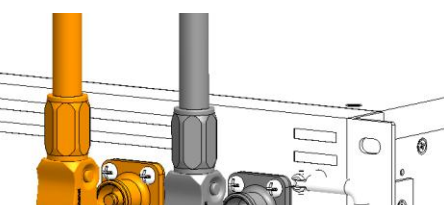
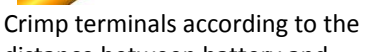
Negative plug (-) Black



Crimp terminals according to the distance between battery and inverter



Crimp terminals according to the distance between battery and inverter

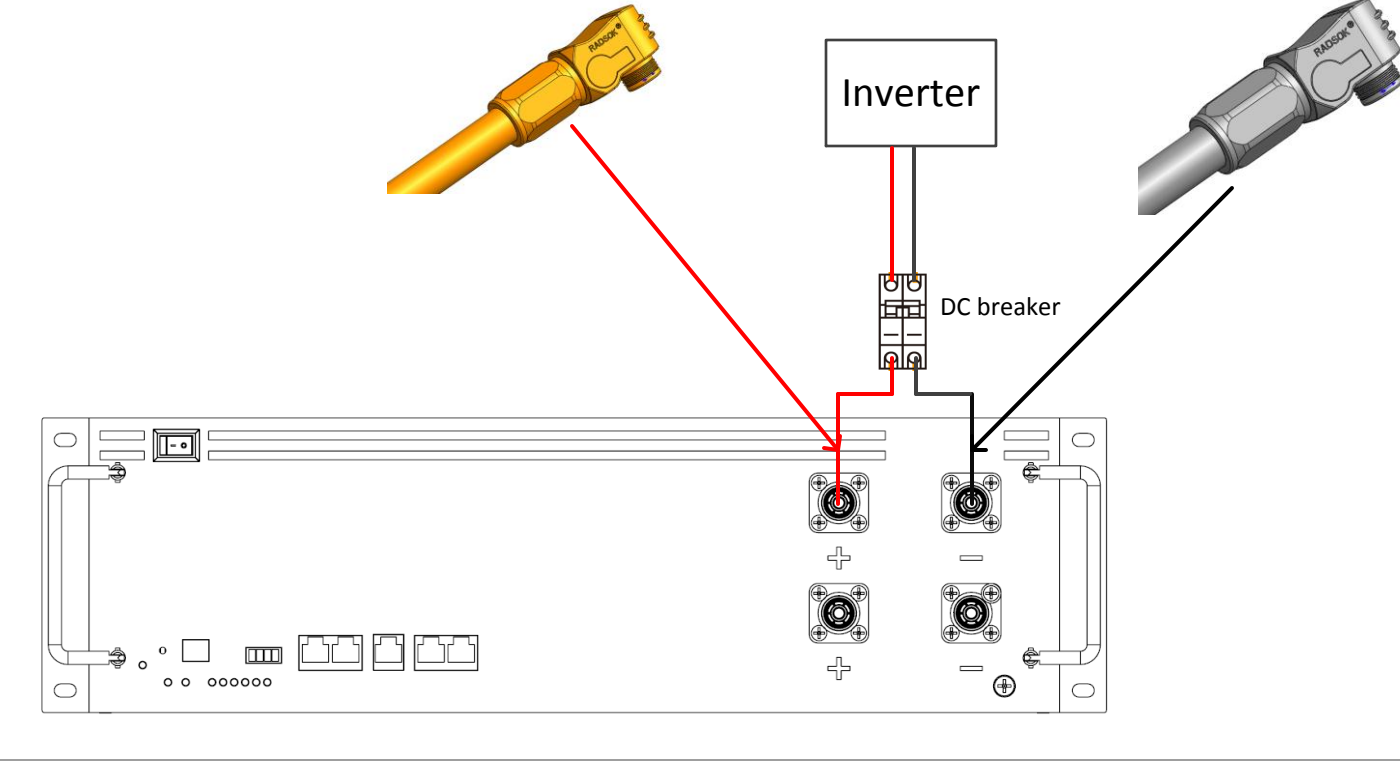


Insert positive plug and negative plug into battery port

## VI Power cable connection

### 1.Single Battery Work Mode

-Power Wiring Diagram



## VI Power cable connection

### 1.Batteries in Parallel Work Mode

-Crimping power plug terminal



Positive plug (+) Orange



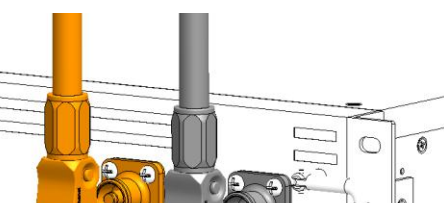
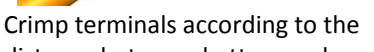
Negative plug (-) Black



Crimp terminals according to the distance between battery and inverter



Crimp terminals according to the distance between battery and inverter

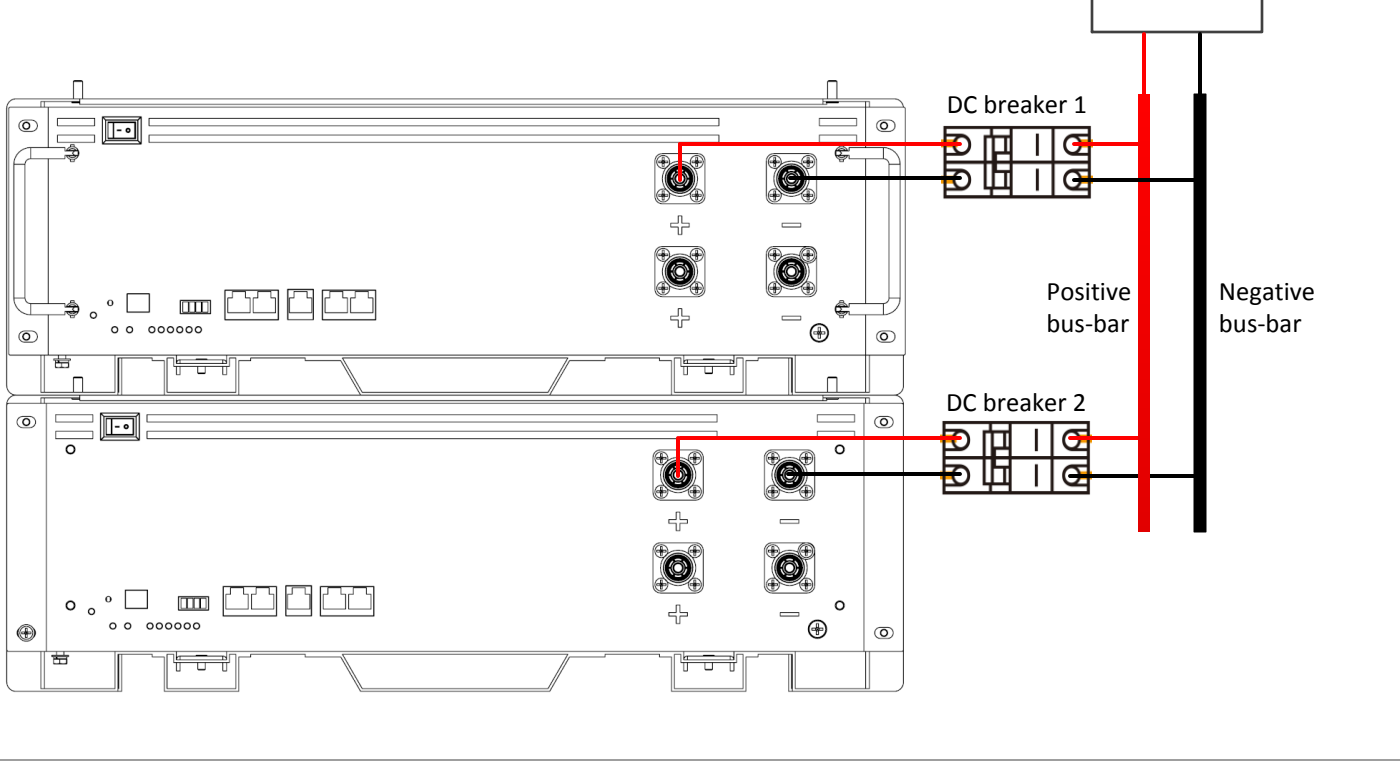


Insert positive plug and negative plug into battery port

## VI Power cable connection

### 1.Batteries in Parallel Work Mode

-Power Wiring Diagram



## VII Set DIP switch

### -Single battery settings

-Set the DIP switch as address 1

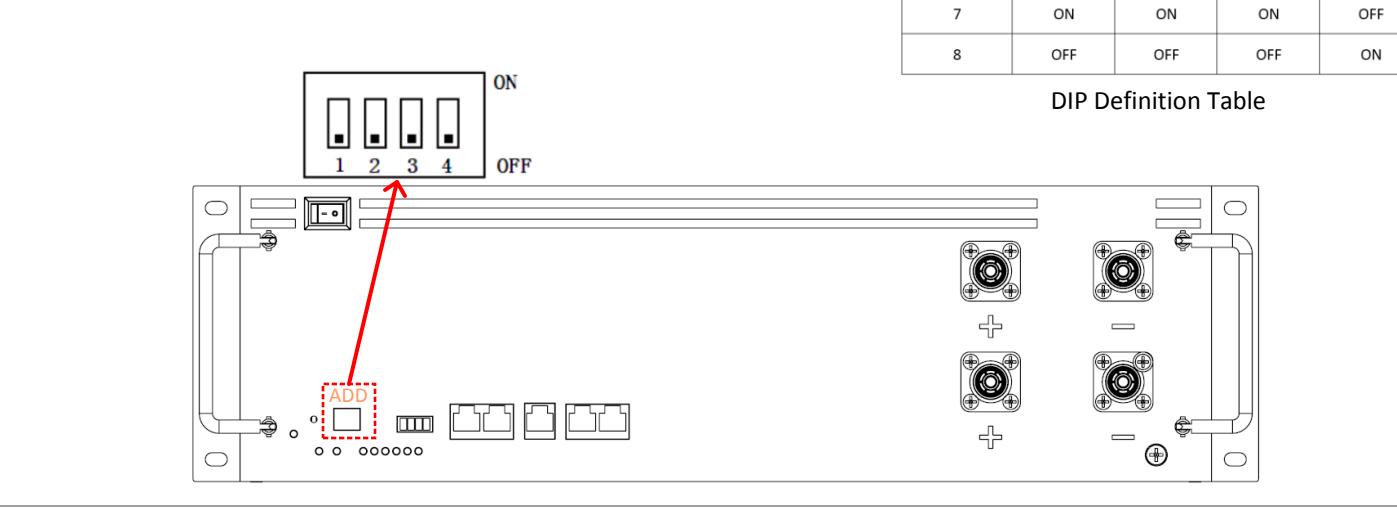


### -Multiple batteries in parallel settings

-Set the master battery DIP switch as address 1

-Set the slave battery DIP switch from address 2 to 8 in turns

Notice The factory setting of DIP switch is address 0



## VIII Inverter brand selection

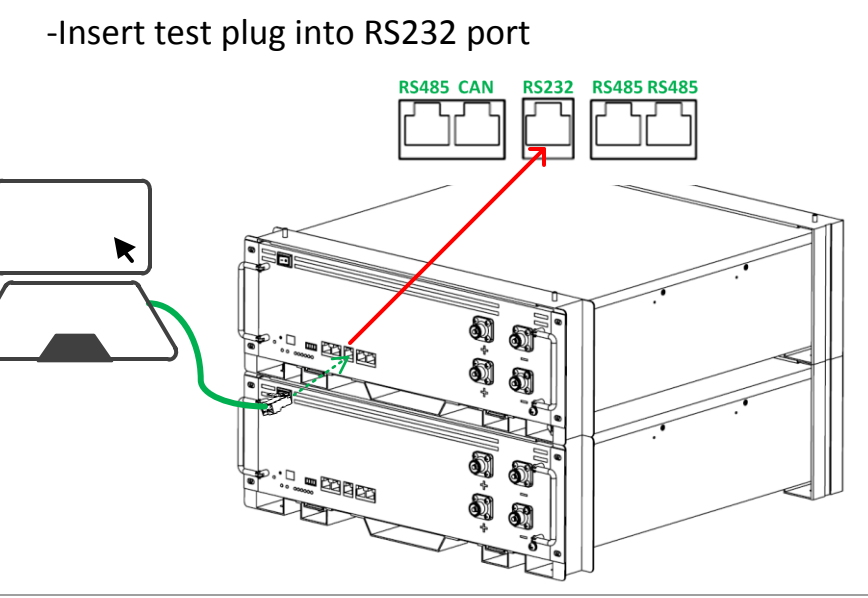
-Inverter selected for factory settings

-Nothing is need to do

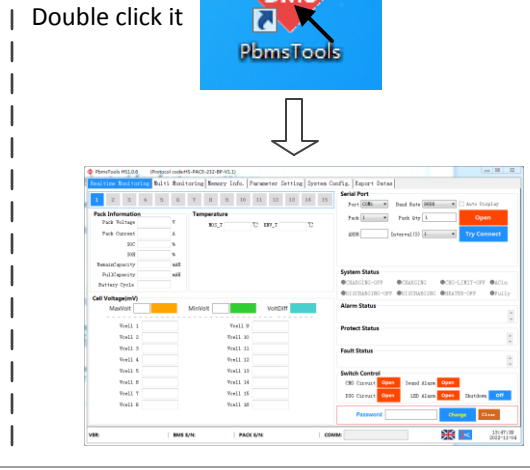
-Inverter not selected for factory settings

-Connect to the upper computer for operation

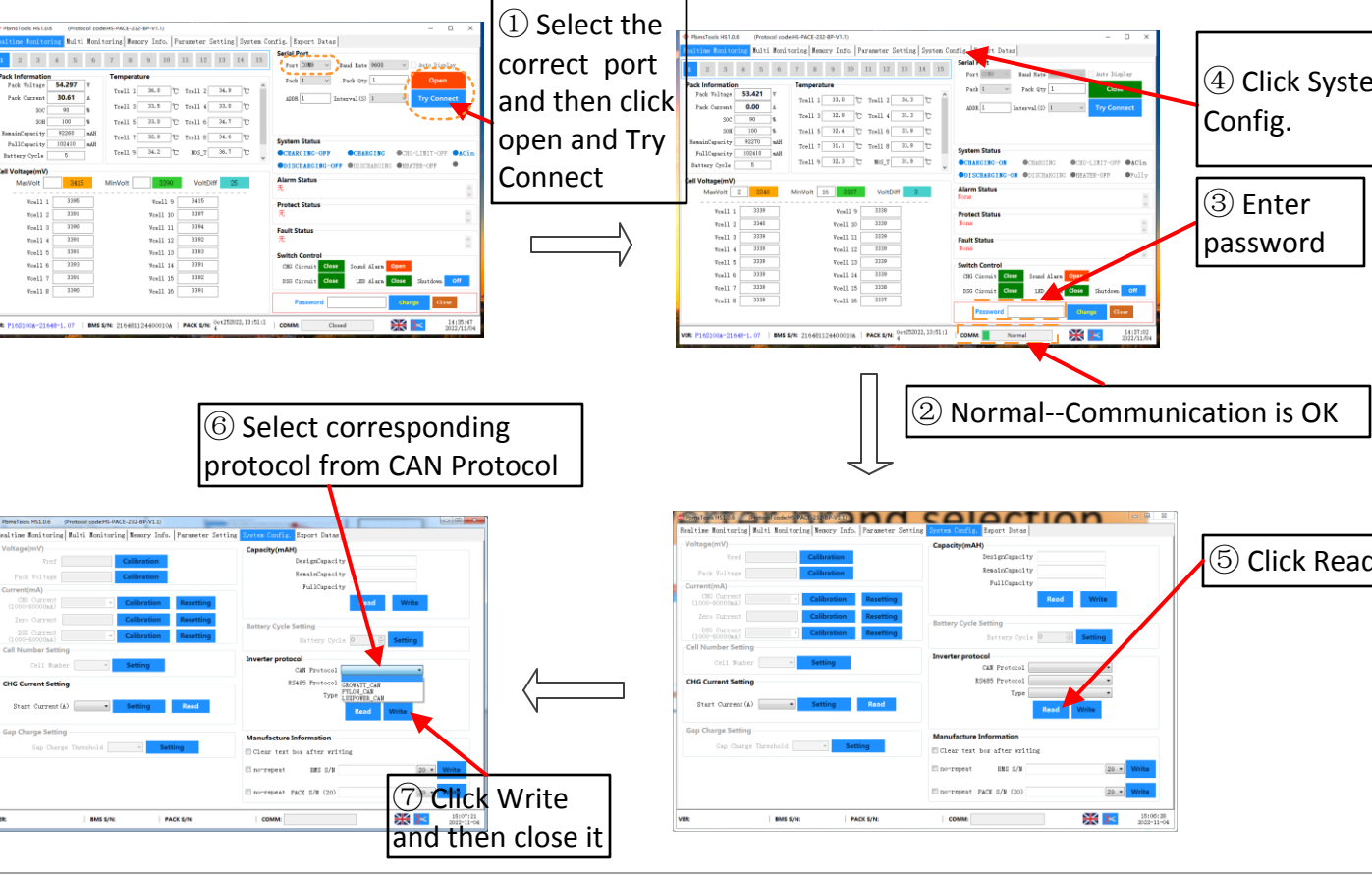
-Insert test plug into RS232 port



-Open the upper computer software



## VIII Inverter brand selection



## IX Commssioning

If all the preparatory work is ok, follow these steps to put it in operation:

1. Press the POWER button to "on" to start the L01 battery system
2. Check whether the status LED indicator is normal(Power indicator light and RUN indicator flash)
3. Power on the inverter

