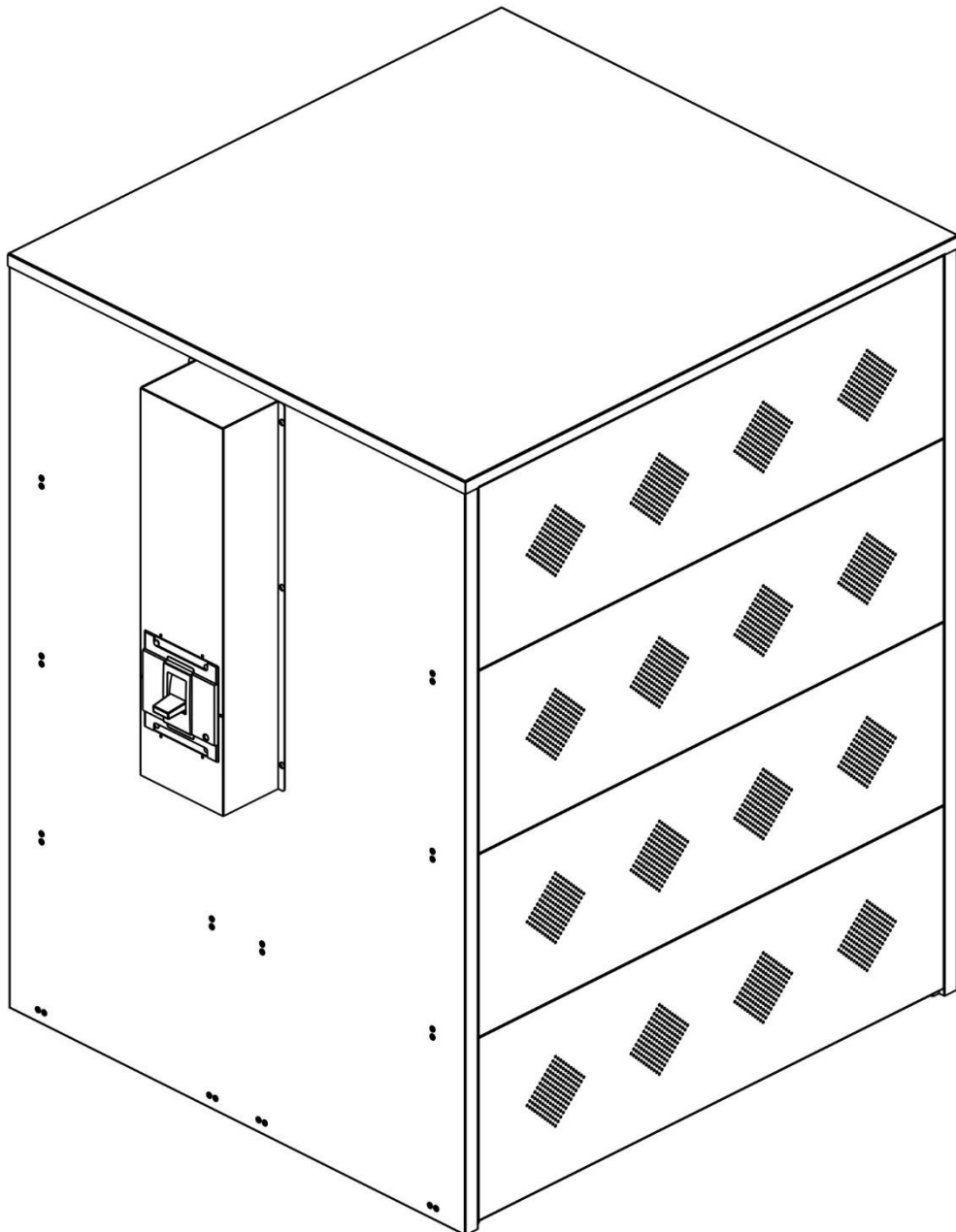


# Installation Guide

## 12V 100AH BATTERY BANK

Model: X40



Version: 1.0

Table of Contents

1. Mechanical Data..... 2

2. Pre-installation Description .....3

3. How to link battery cabinet with UPS..... 4

    3.1 Part list..... 4

    3.2 Connection cable specification ..... 5

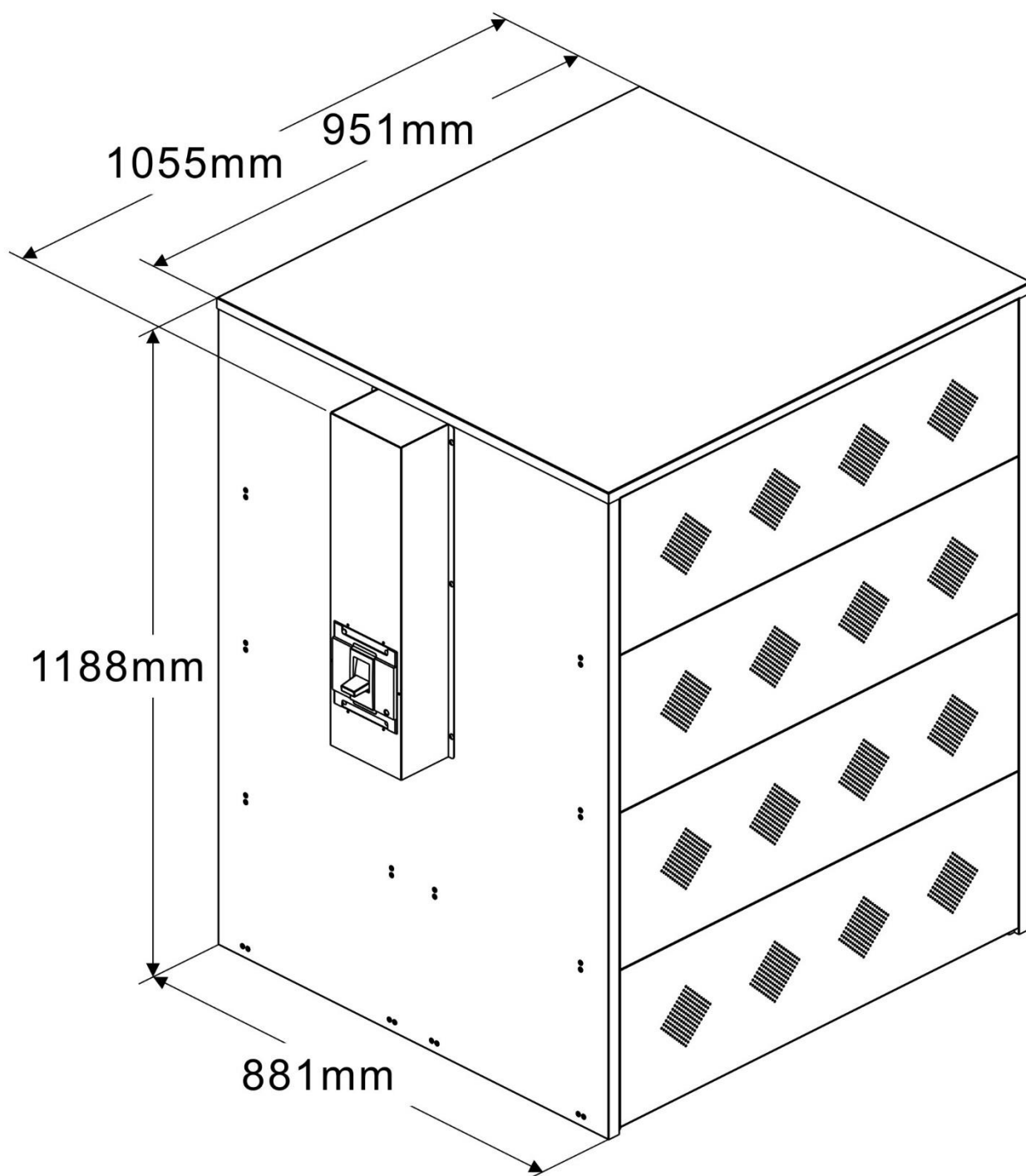
    3.3 Battery Cabinet Link with UPS ..... 6

        3.3.1 Installing battery cabinet ..... 6

    3.4 Installing battery cabinet..... 7

## 1. Mechanical Data

- Dimensions : 881 mm(D)\*951(1055) mm(W)\*1188 mm(H)
- Empty battery cabinet weight : 100 Kgs



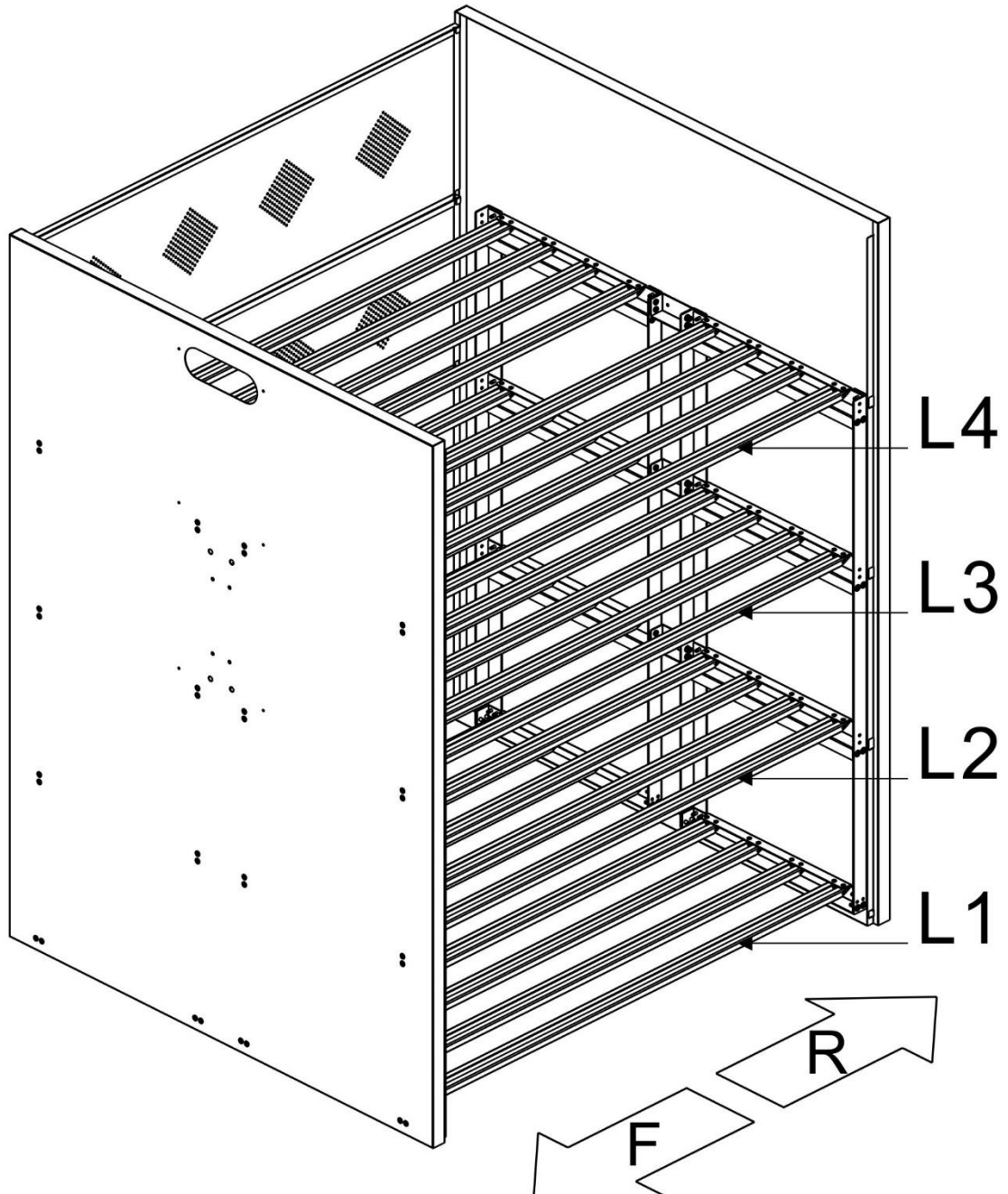
## 2. Pre-installation Description

■ Battery cabinet:

The marked “F” means front side of battery cabinet; the other marked “R” means rear side of battery cabinet.

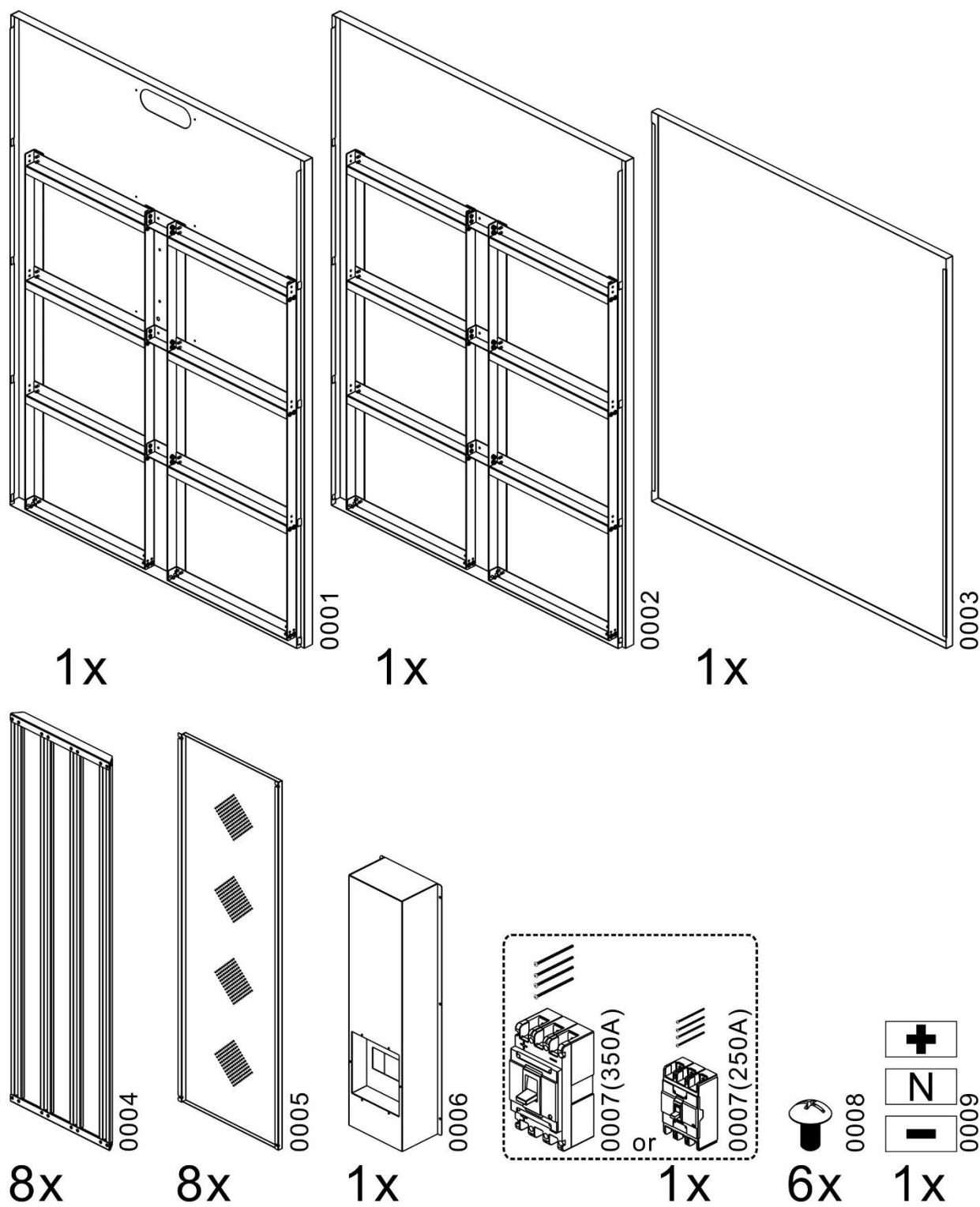
■ Battery shelf:

The cabinet include 4 layers totally of battery shelves from L1 (bottom) to L4 (top).

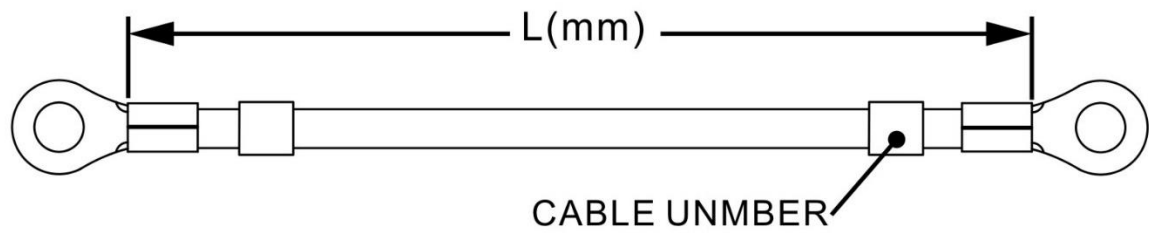


3. How to link battery cabinet with UPS

3.1 Part list



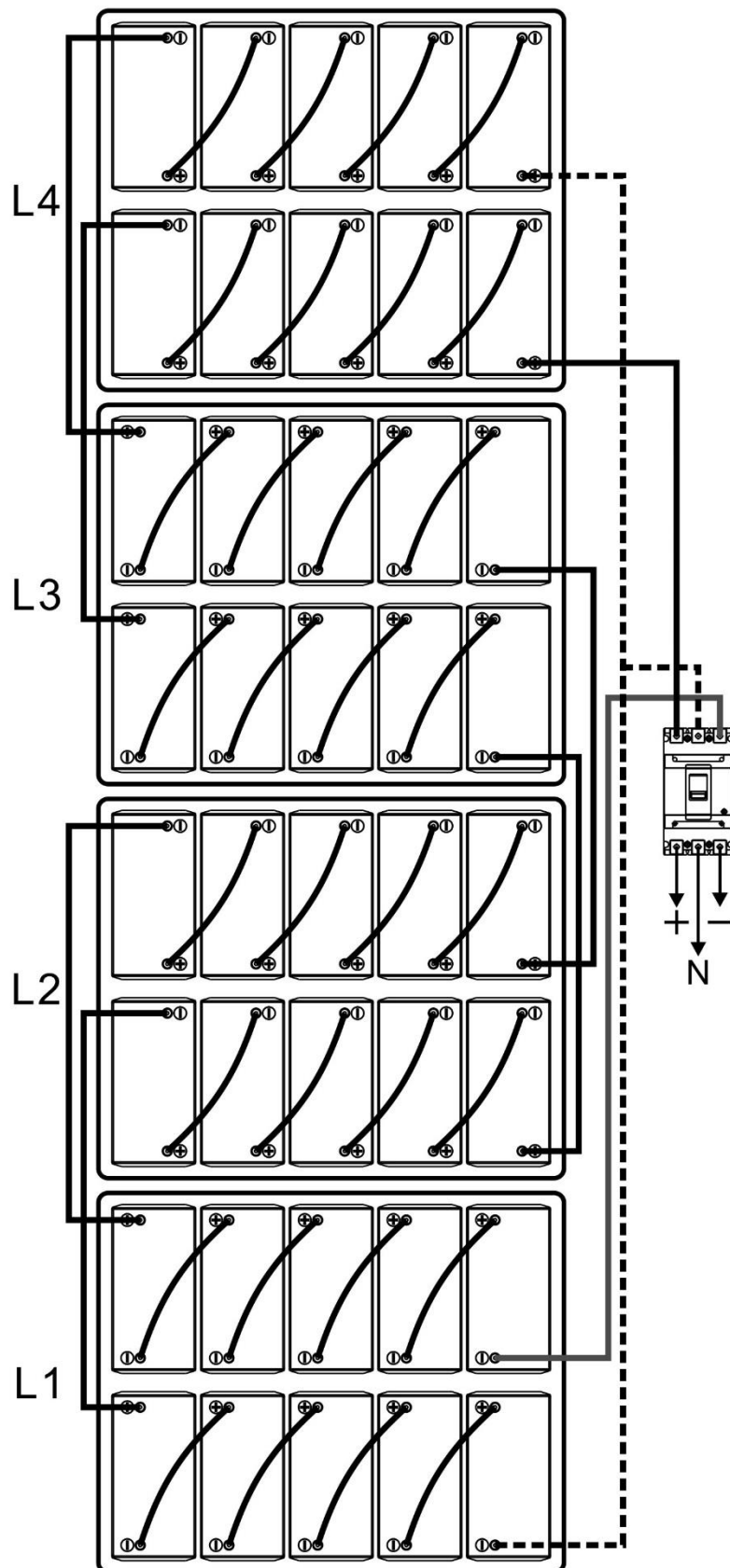
### 3.2 Connection cable specification



| ITEM                | DESCRIPTION           | UNIT | CABLE LENGTH<br>(mm) | QUANTITY | CABLE<br>UNMBER |
|---------------------|-----------------------|------|----------------------|----------|-----------------|
| <b>250A BREAKER</b> |                       |      |                      |          |                 |
| ①                   | UL 1015 #2/0AWG BLACK | mm   | 350                  | 32       | 1               |
| ②                   | UL 1015 #2/0AWG BLACK | mm   | 500                  | 6        | 2               |
| ③                   | UL 1015 #2/0AWG BLACK | mm   | 800                  | 1        | BAT+            |
| ④                   | UL 1015 #2/0AWG BLACK | mm   | 2000                 | 1        | BAT-            |
| ⑤                   | UL 1015 #2/0AWG BLACK | mm   | 800                  | 1        | N1              |
| ⑥                   | UL 1015 #2/0AWG BLACK | mm   | 1200                 | 1        | N2              |
| <b>350A BREAKER</b> |                       |      |                      |          |                 |
| ①                   | UL 1015 #4/0AWG BLACK | mm   | 350                  | 32       | 1               |
| ②                   | UL 1015 #4/0AWG BLACK | mm   | 500                  | 6        | 2               |
| ③                   | UL 1015 #4/0AWG BLACK | mm   | 800                  | 1        | BAT+            |
| ④                   | UL 1015 #4/0AWG BLACK | mm   | 2000                 | 1        | BAT-            |
| ⑤                   | UL 1015 #4/0AWG BLACK | mm   | 800                  | 1        | N1              |
| ⑥                   | UL 1015 #4/0AWG BLACK | mm   | 1200                 | 1        | N2              |

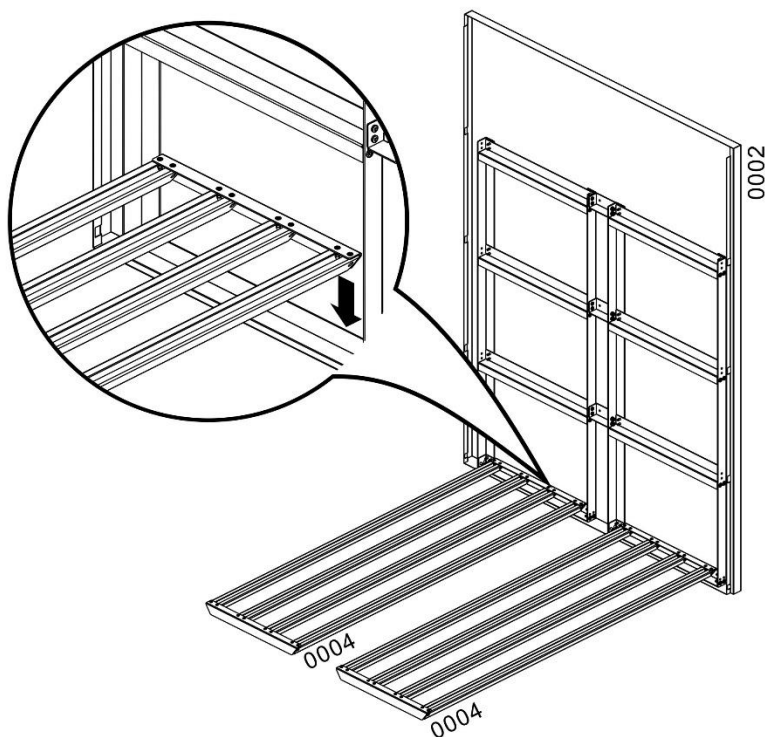
### 3.3 Battery Cabinet Link with UPS

#### 3.3.1 Internal wiring

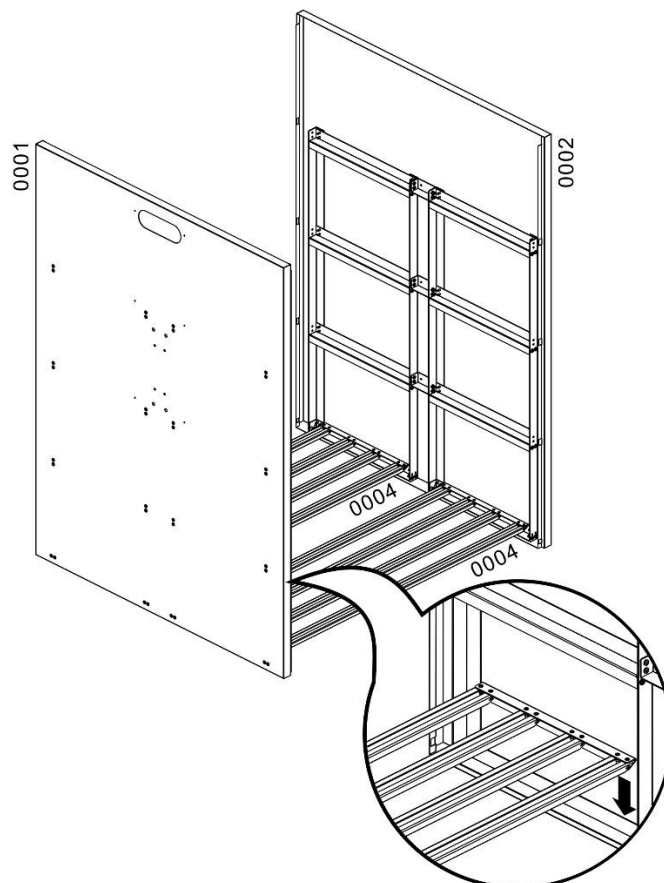


### 3.4 Installing battery cabinet

Step1.

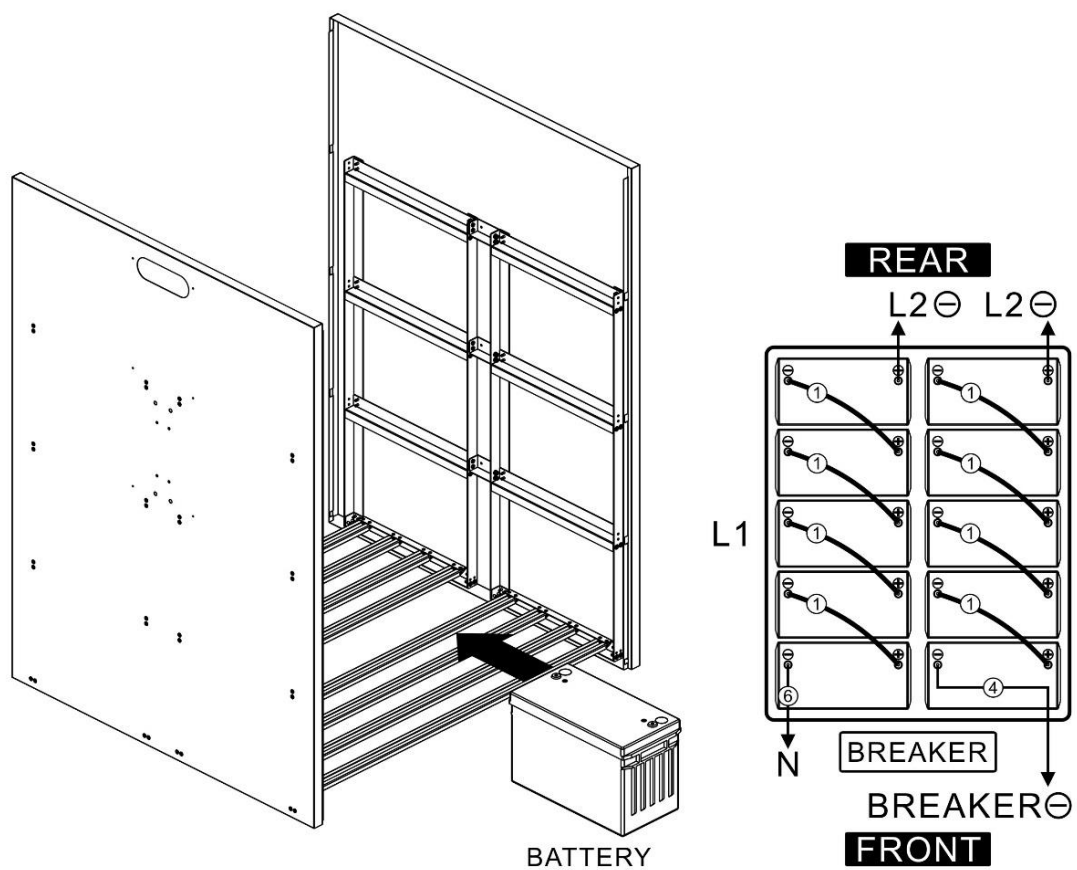


Step 2.

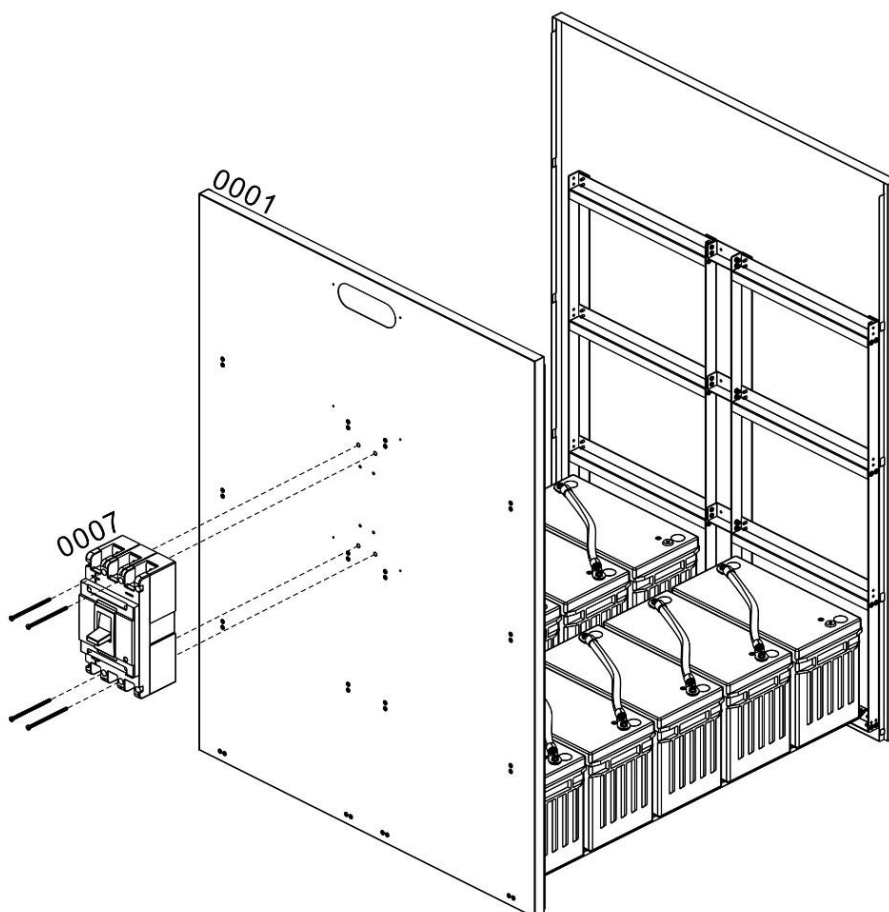




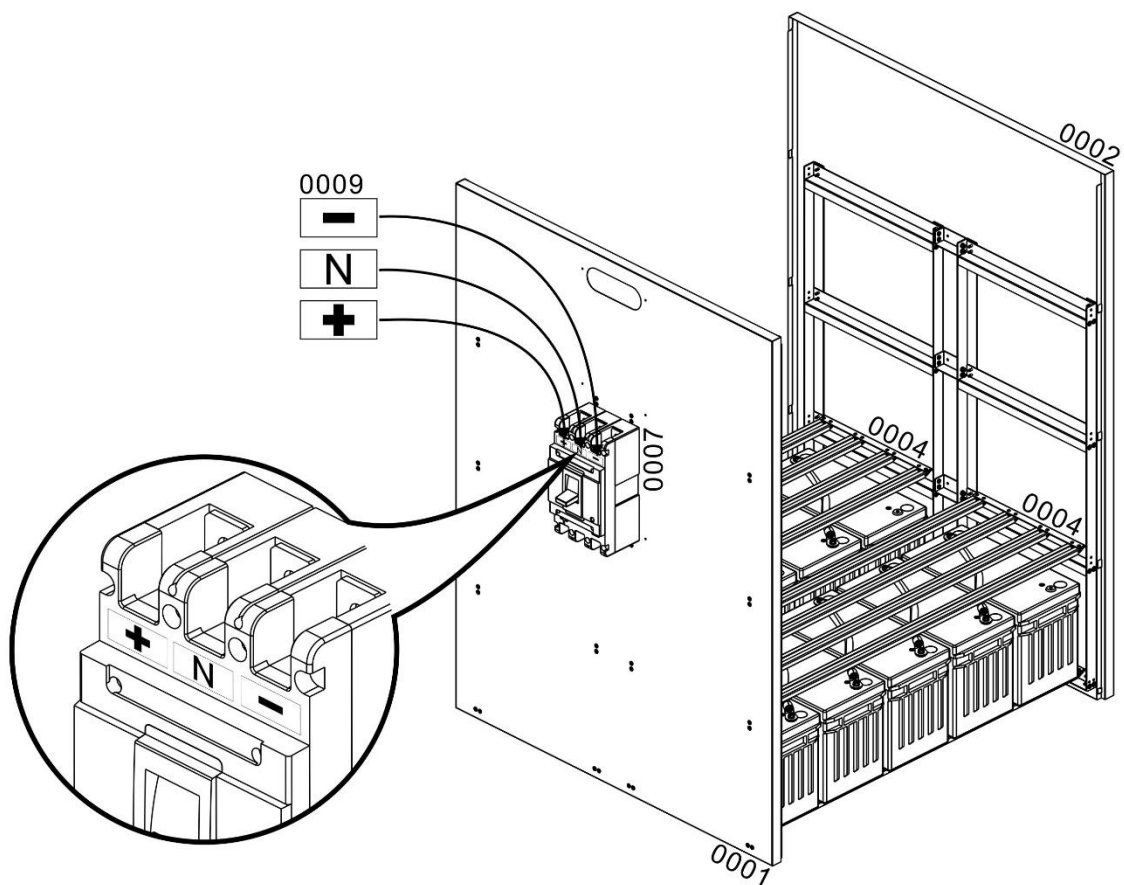
Step 3.



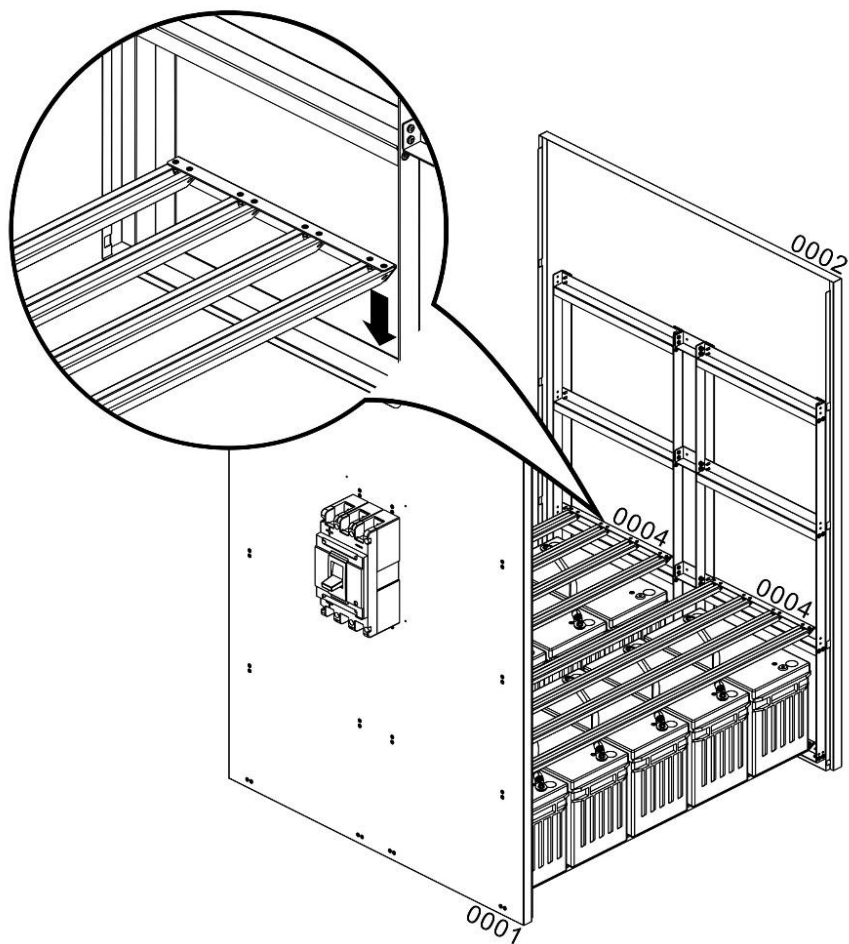
Step 4.



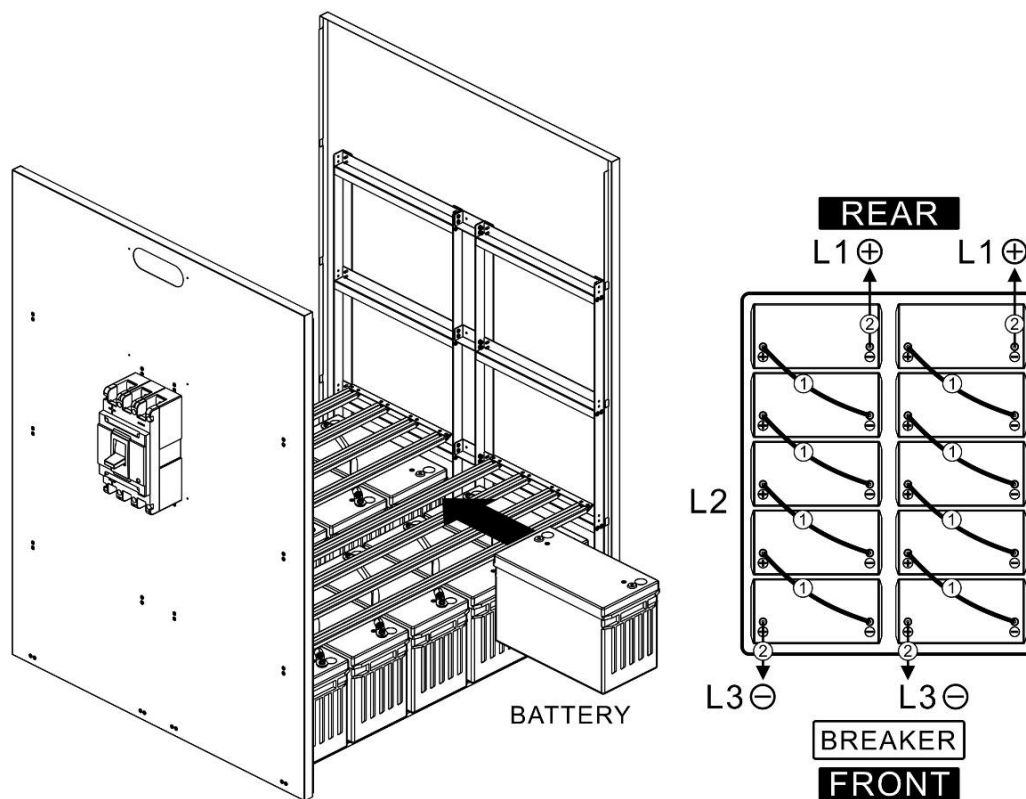
Step 5.



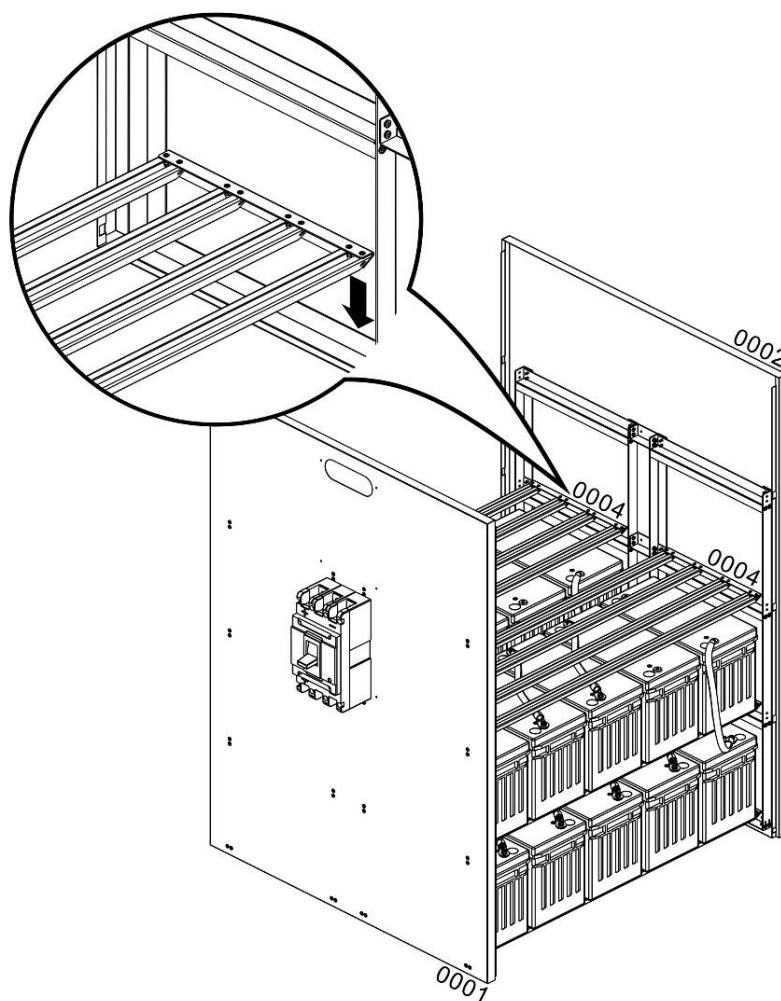
Step 6.



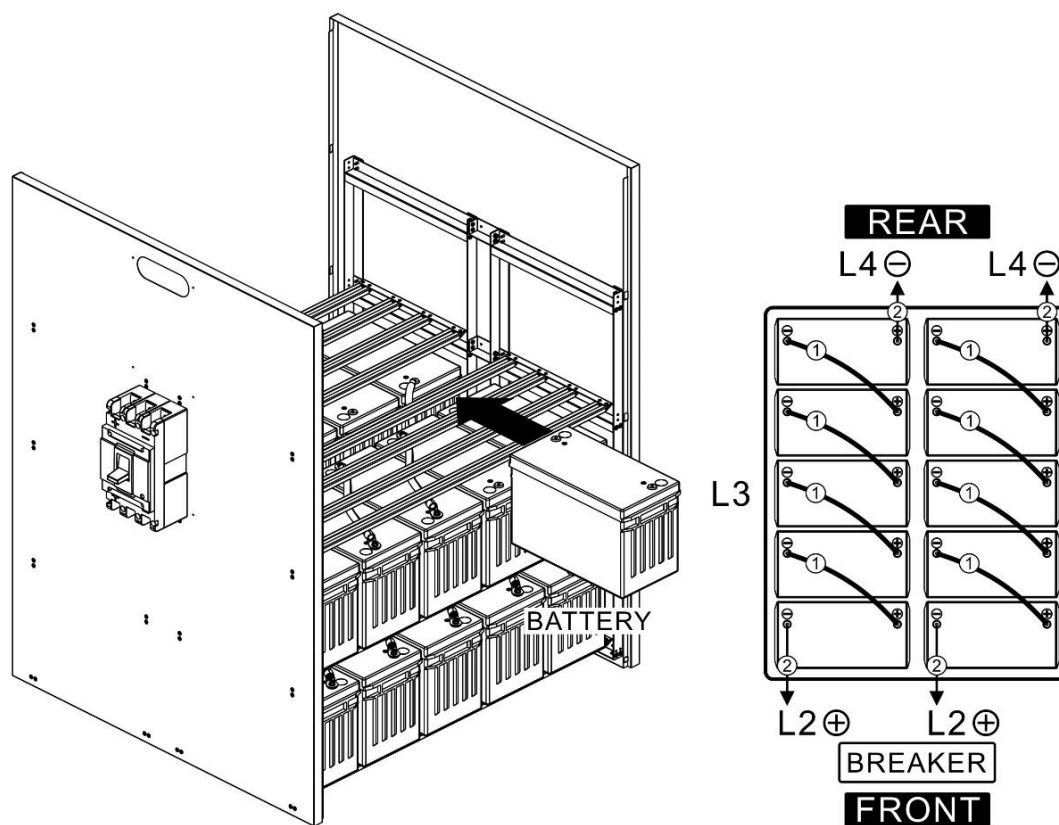
Step 7.



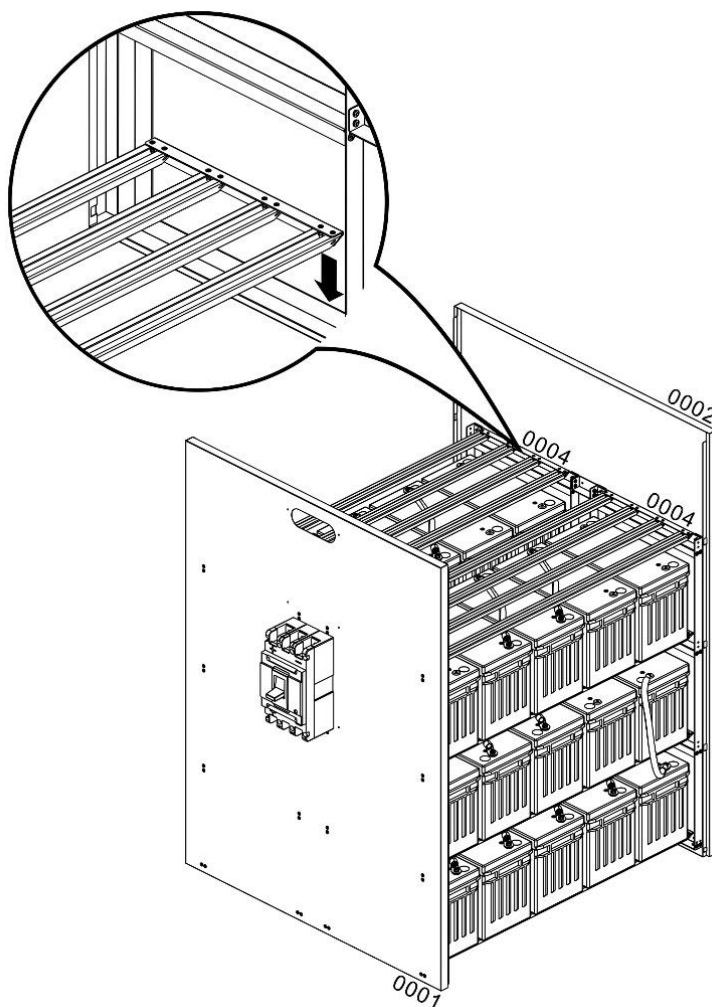
Step 8.



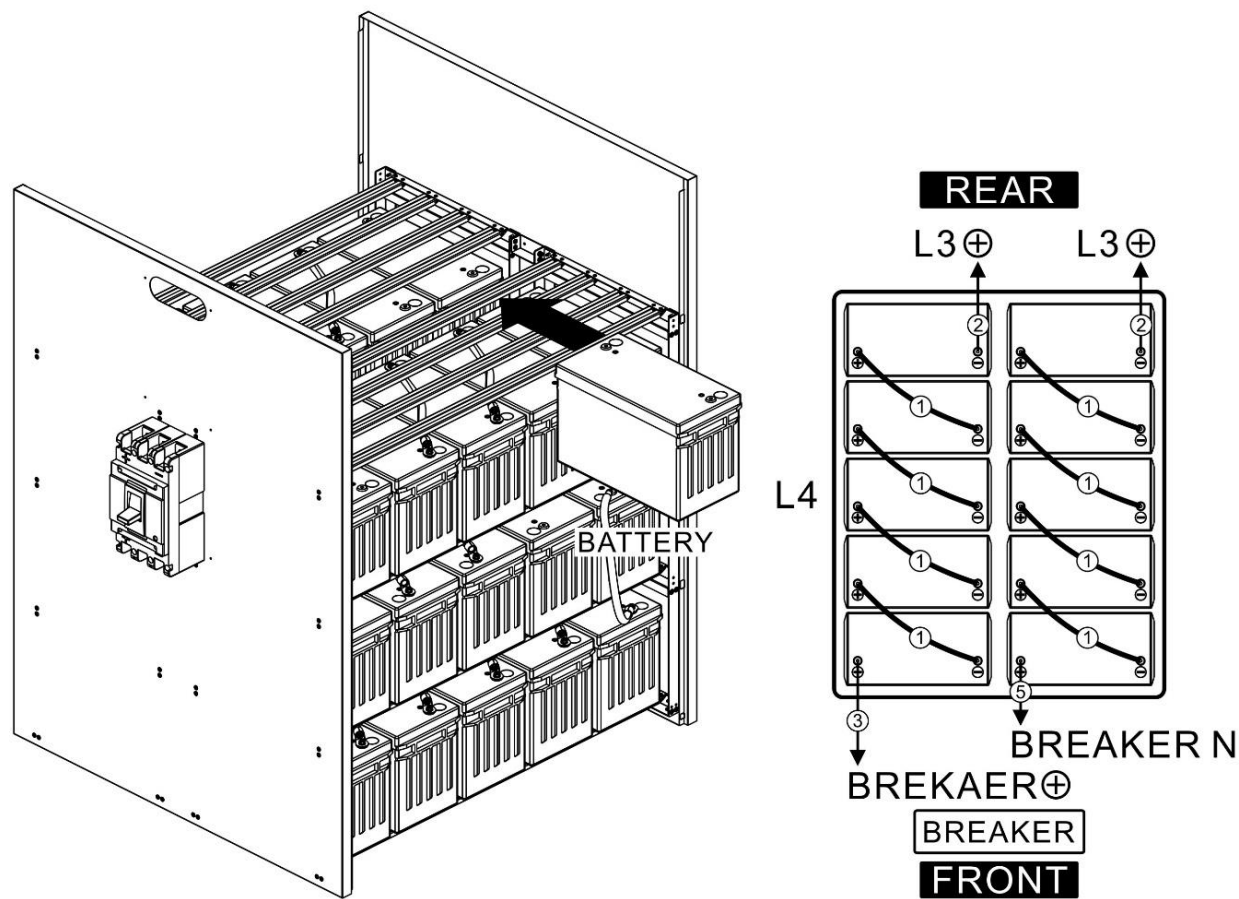
Step 9.



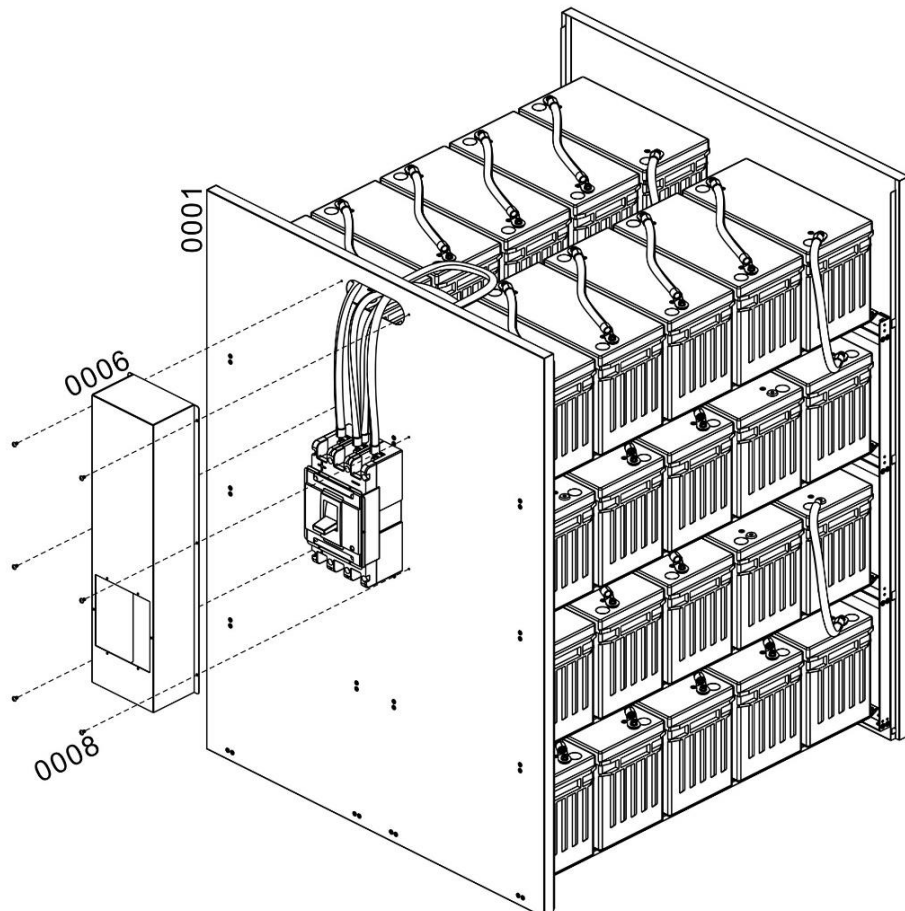
Step 10.



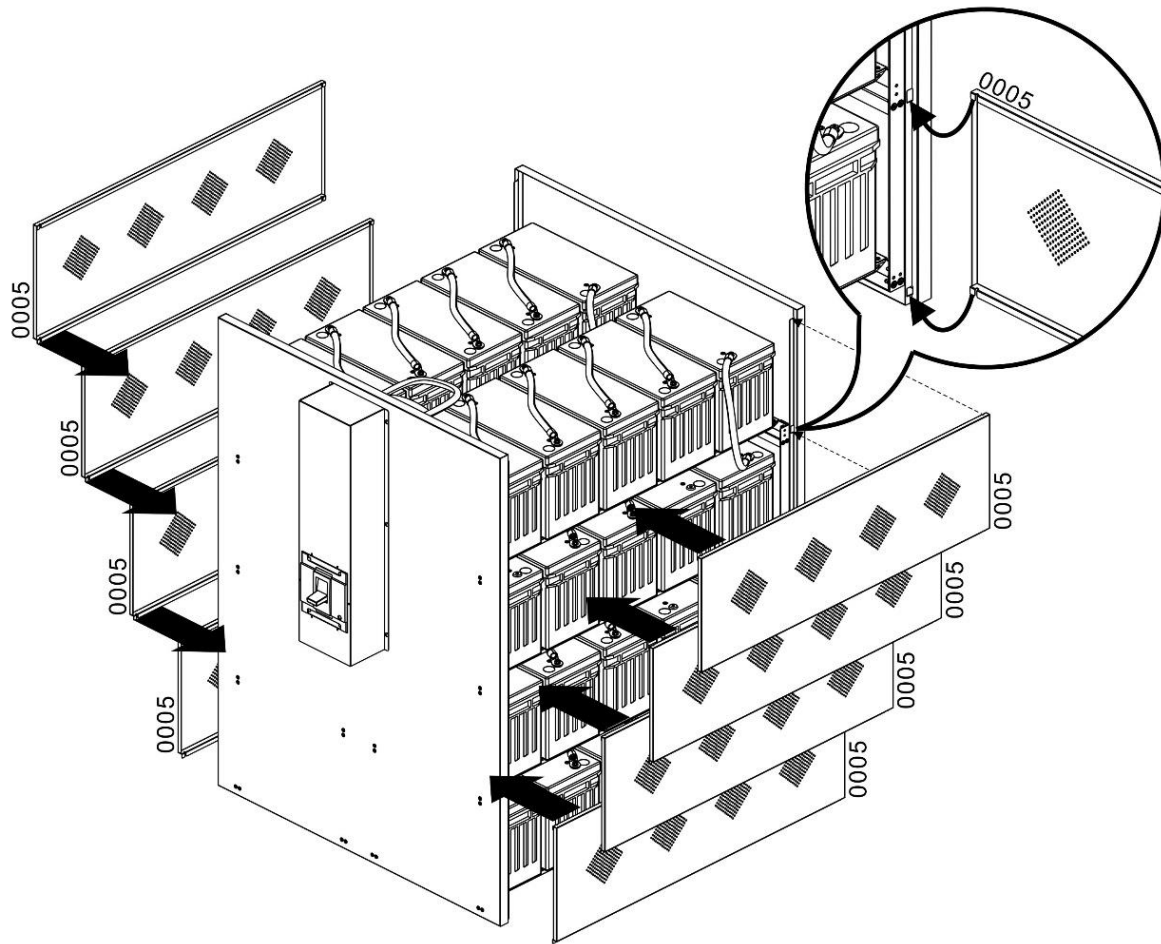
Step 11.



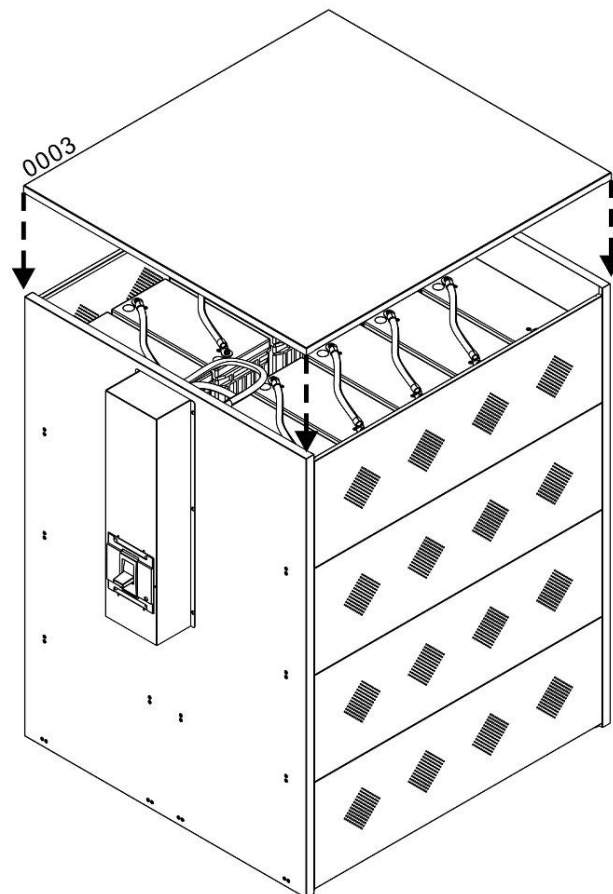
Step 12.



S00tep 13.



Step14.



Step 15.

