



**ener  
safe**

A brand of  **legrand**

**6-10KVA UPS  
battery pack user manual**

## 1. Instructure:

6-10KVA UPS battery pack dimension is W440\*H131\*D680mm. It includes battery connection cables, breaker, terminal, etc, with max. capacity of 20pcs 12V/7AH or 12V/9AH batteries inside. The battery connection could be configured to output  $\pm 120V$ , two groups batteries connect in series as BAT+, BATN、BAT - .



Fig.1 The complete battery pack cabinet

## 2. Assembly

### 2.1 Dismount the cabinet shell

Put the battery pack on a level, take off the plastic panel, remove the battery tray top covers and transparent plastic box for easier battery installation and connection, as shown in Fig. 2 & Fig3.

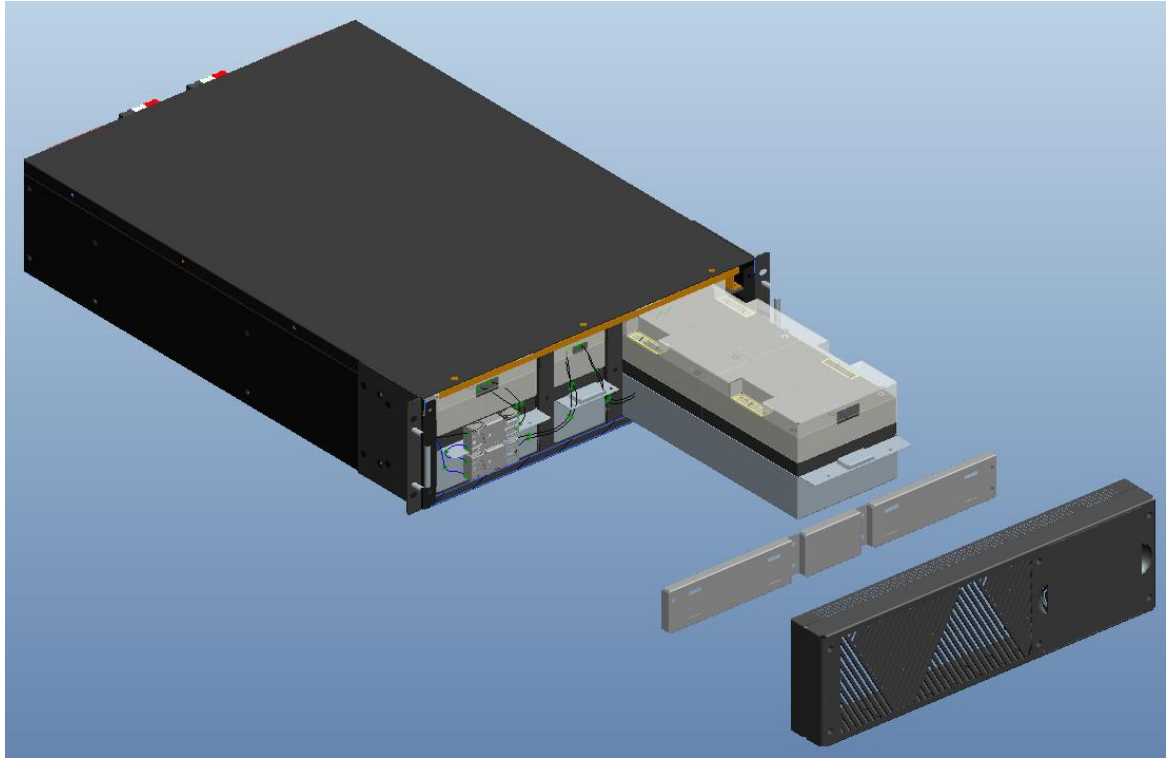


Fig.2

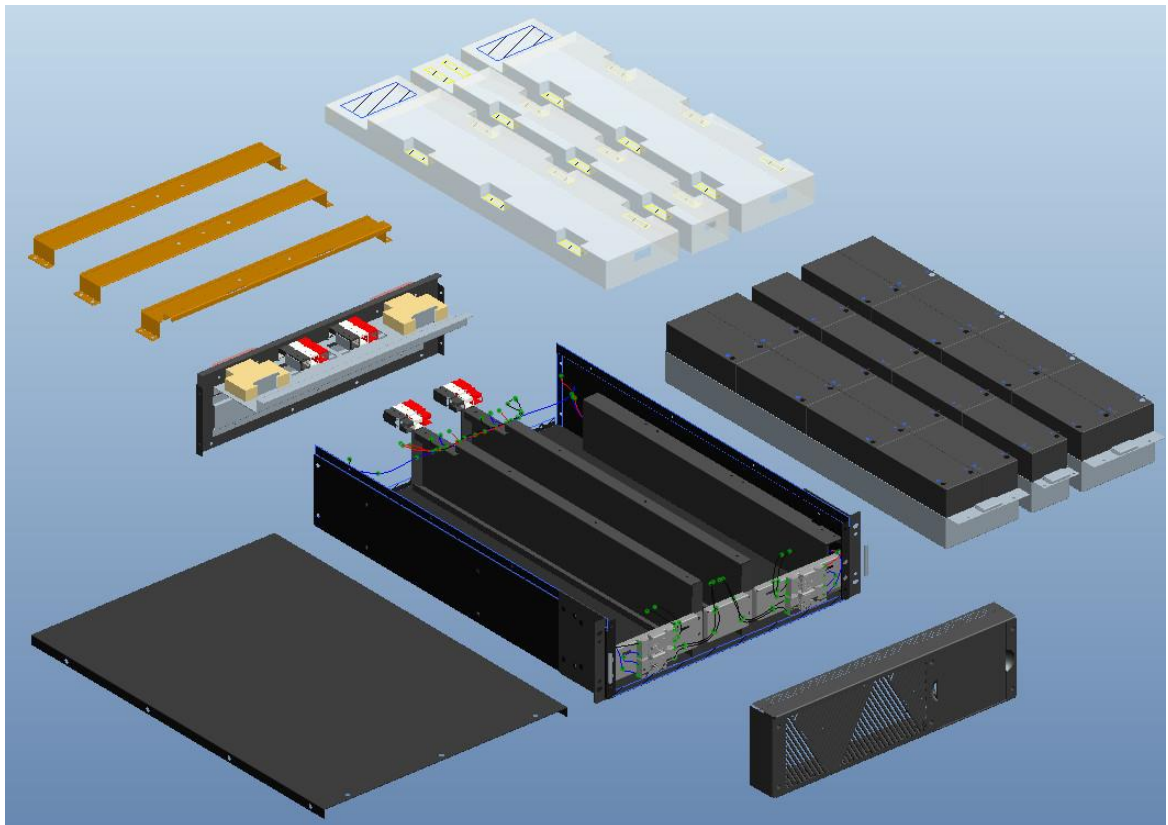


Fig.3

## 2.2 . Battery installation and connection

Users need 20pcs batteries, divide into 2groups. Each group has 10pcs batteries in series, as (BAT+ BATN BAT-) shown below.

2.2.1. 20pcs batteries installation and connection: There have three battery trays, then connect the batteries as shown in below pictures.

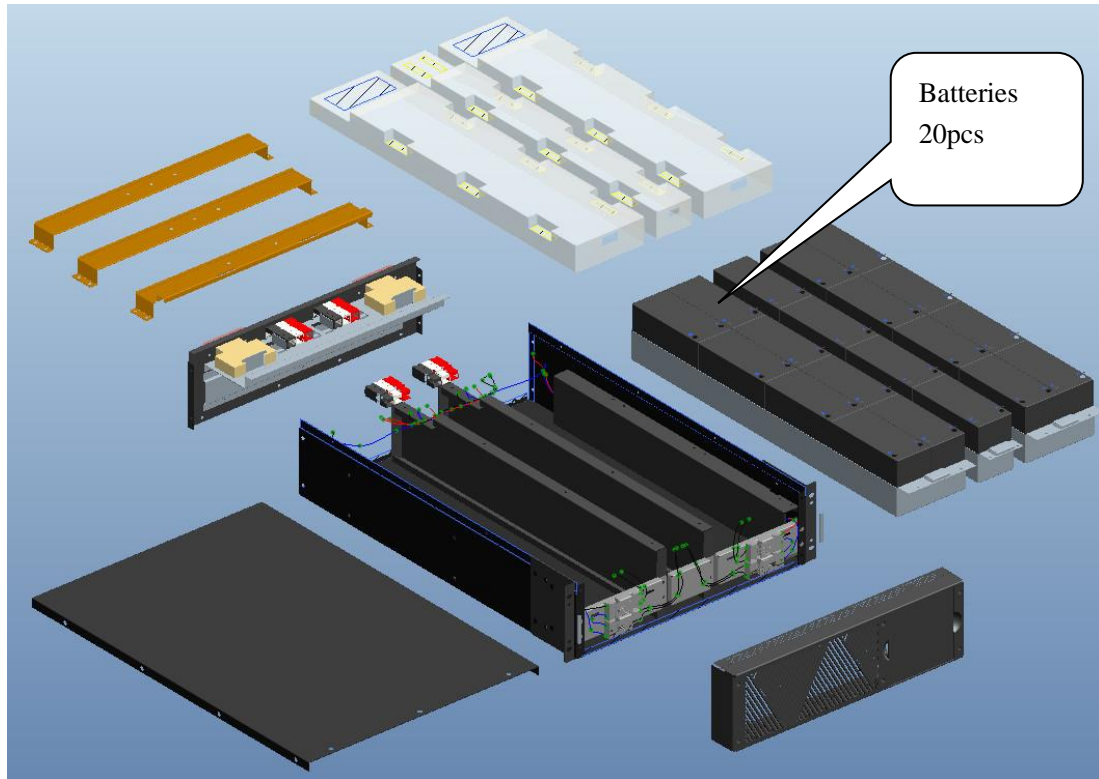


Fig. 5 (20pcs batteries installation)

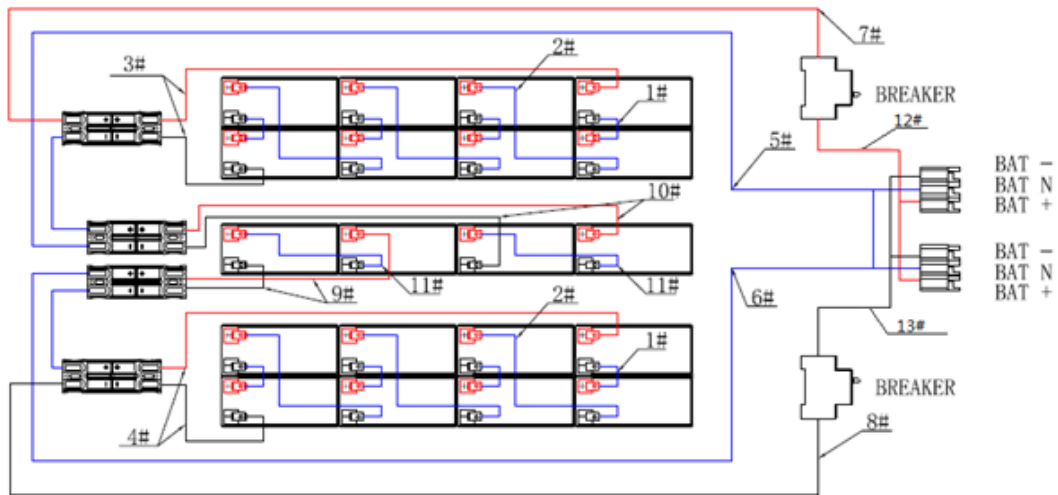


Fig. 6 (20pcs batteries connection)

**2.2.2.** After the battery installation and connection done, check if BAT+ to N & N to BAT- voltages are correct with multimeter or other equipments. Install the cover if the voltages are correct.

**NOTE:** Battery “+” “-” poles cannot be reversed, also cannot short the battery “+” “-” poles, otherwise batteries would be damaged or other accidents would happen. Don’t touch the battery “+” “-” poles at the same time. It’s better only single man make the operation.

### 3. Battery pack accessories

A complete of 6-10KVA UPS battery pack includes below accessories.

No.	Name	Specification	PCS
1	Cable 1#	Black wire 1015 10AWG 101mm 250TC*2	8
2	Cable 2#	Black wire 1015 10AWG 230mm 250TC*2	6
3	Cable 3#/4#	2wires black 1015 10AWG 200/670mm 11375S2*2+250TC*2+PS70	2
4	Cable 12#/13#	4wires Red & Black 1015 10AWG 100*2/230*2mm PP75*6+SB50*6+YI16*2	1
5	Cable 5#/6#/7#/8#	7wires Red & Black & Blue 1015 10AWG 100*2/150mm/700*2mm/800*2mm 11375S2*8+MPC50*2+PS70*4+YI16*2	1
6	Cable 9#	2wires black 1015 10AWG 230/400mm 11375S2*2+250TC*2+PS70	1
7	Cable 10#	2wires black 1015 10AWG 530/700mm 11375S2*2+250TC*2+PS70	1
8	Cable 11#	Black wire 1015 10AWG 200mm 250TC*2	2
9	Breaker	NDB2Z-63 C63/1 1P 63A/250VDC UL certified	2
10	Battery Pack	W440*H131*D680mm	1