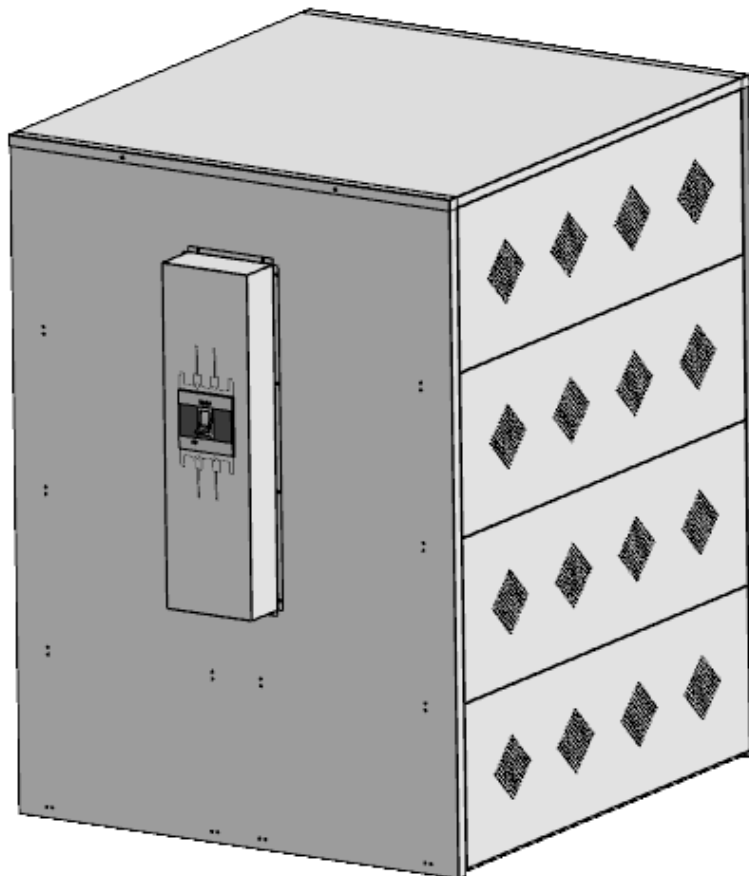


CyberPower

Installation manual for BCA series

BCA100N250A



Suitable battery

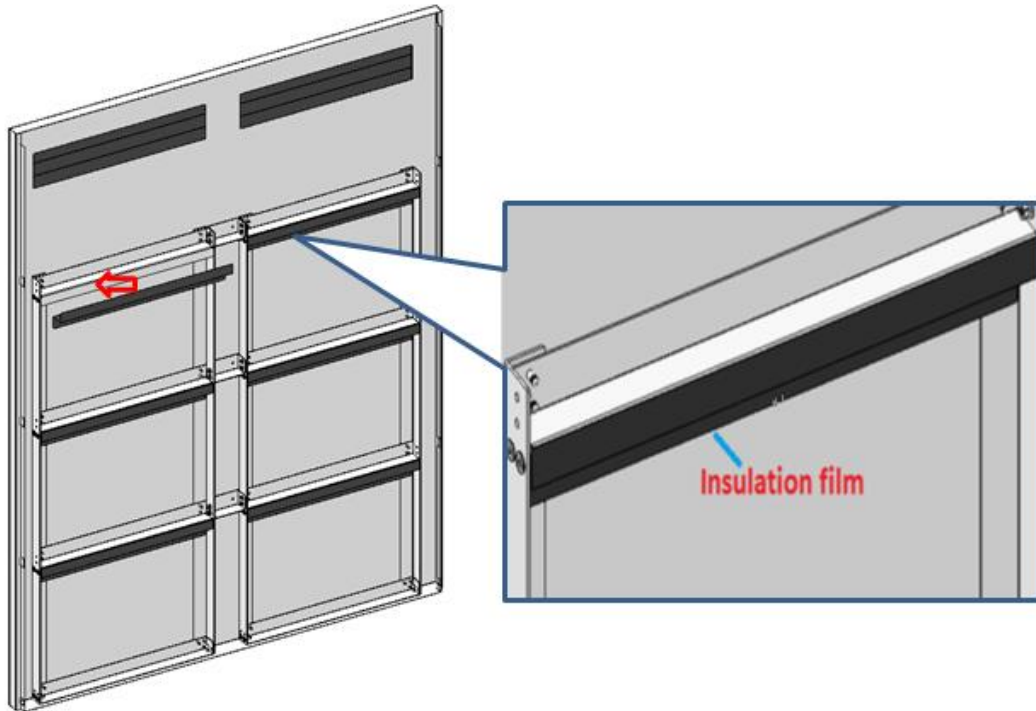
Apply to 100Ah battery of BB/Yuasa/CSB etc.

Accessory List

Item	Description	Quantity
Case	Front panel	1 pcs
	Rear panel	1 pcs
	Top panel	1 pcs
	Side panel	8 pcs
	Bracket	8 pcs
	Breaker cover	1 pcs
Cable	L1 25mm ² - 1720mm	2pcs
	L2 25mm ² - 310mm	20 pcs
	L3 25mm ² - 840mm	16 pcs
	L4 25mm ² - 1230mm	2 pcs
	L5 25mm ² - 1900mm	2 pcs
	L6 25mm ² - 1520mm	2 pcs
Breaker	250A breaker	1 set
	Screw	4 pcs
Screw	M3/M5	16 pcs/1 pcs
Label	Ground / Breaker / Name	1 pcs of each
Snap bushing		3 pcs

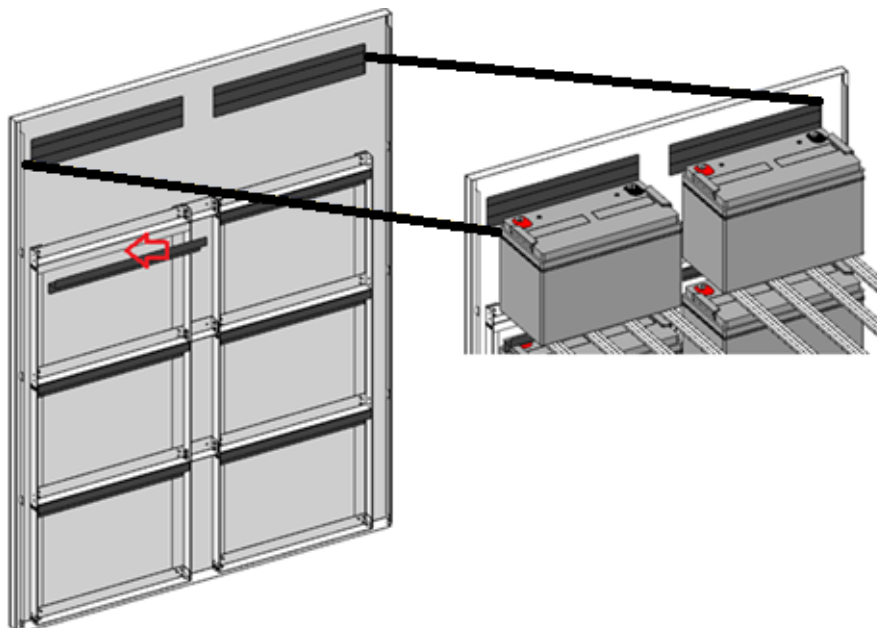
Procedure

Step 1. Paste the 8pcs insulation film on the panel without breaker(front panel). The insulation film is used to prevent the battery and connection cable terminal short to the panel. Please refer to below illustration to paste the insulation film.



(Panel without breaker)

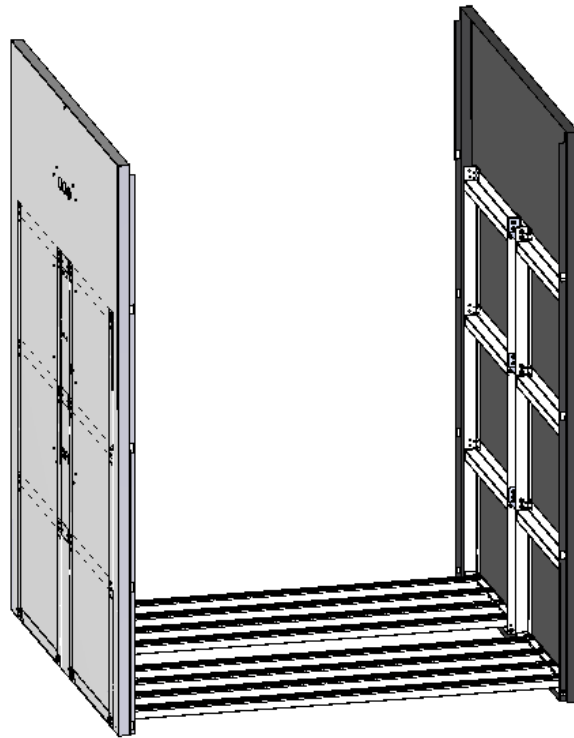
(Illustration position for 6pcs insulation film)



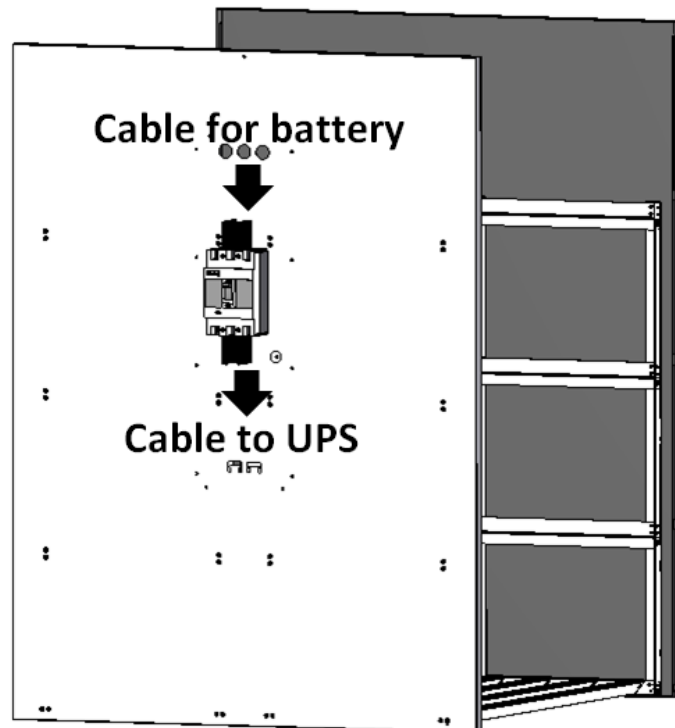
(Panel without breaker)

(Relative position for the other 2pcs insulation film)

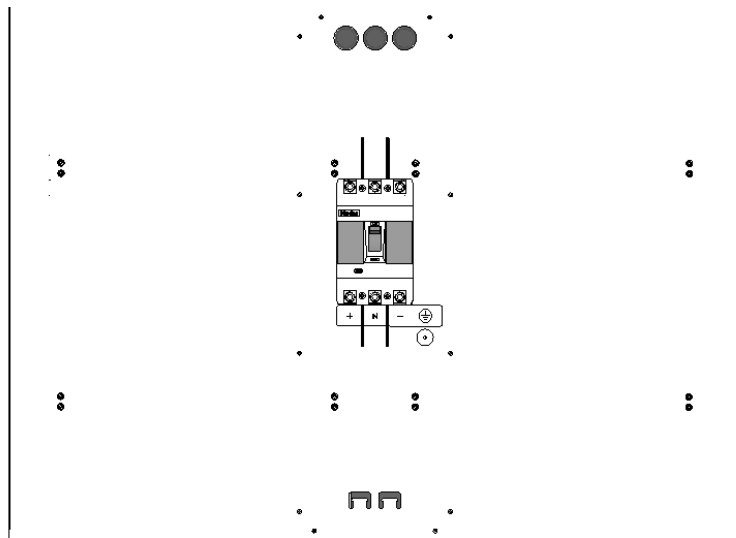
Step 2. Buckle the first bracket between the front and rear panels.



Step 3. Fixed the breaker on the rear panel (M4 screw*4pcs).



Step4. Install the snap bushing*3pcs and paste the label on the rear panel then fixed the screw (M5*1pcs) on the ground.

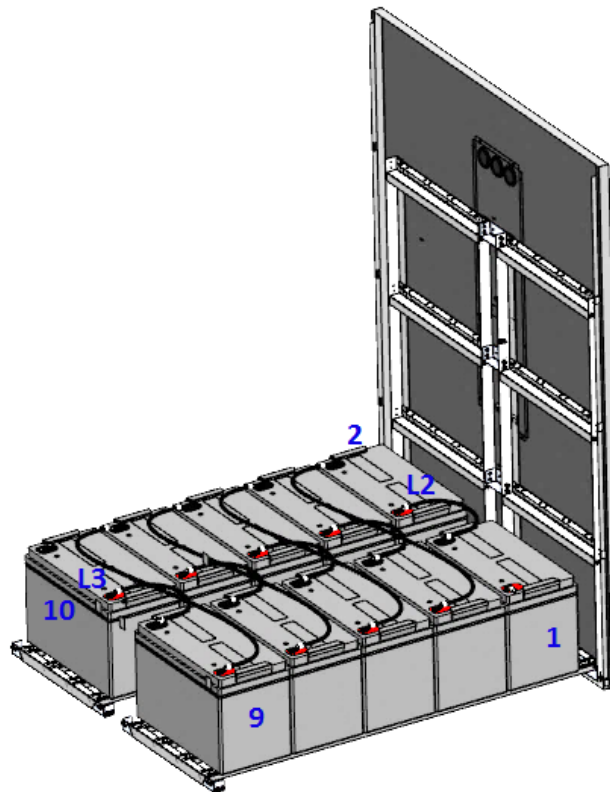


Step 5. Put the batteries on the bracket and connect the cables (let the terminals had a little angle that could easy to install).

(Battery*10pcs/Cable: L1*1pcs/ L2*5pcs/L3*4pcs/L4*1pcs)

L1: Connect to battery1(+)

L4: Connect to battery10(-)

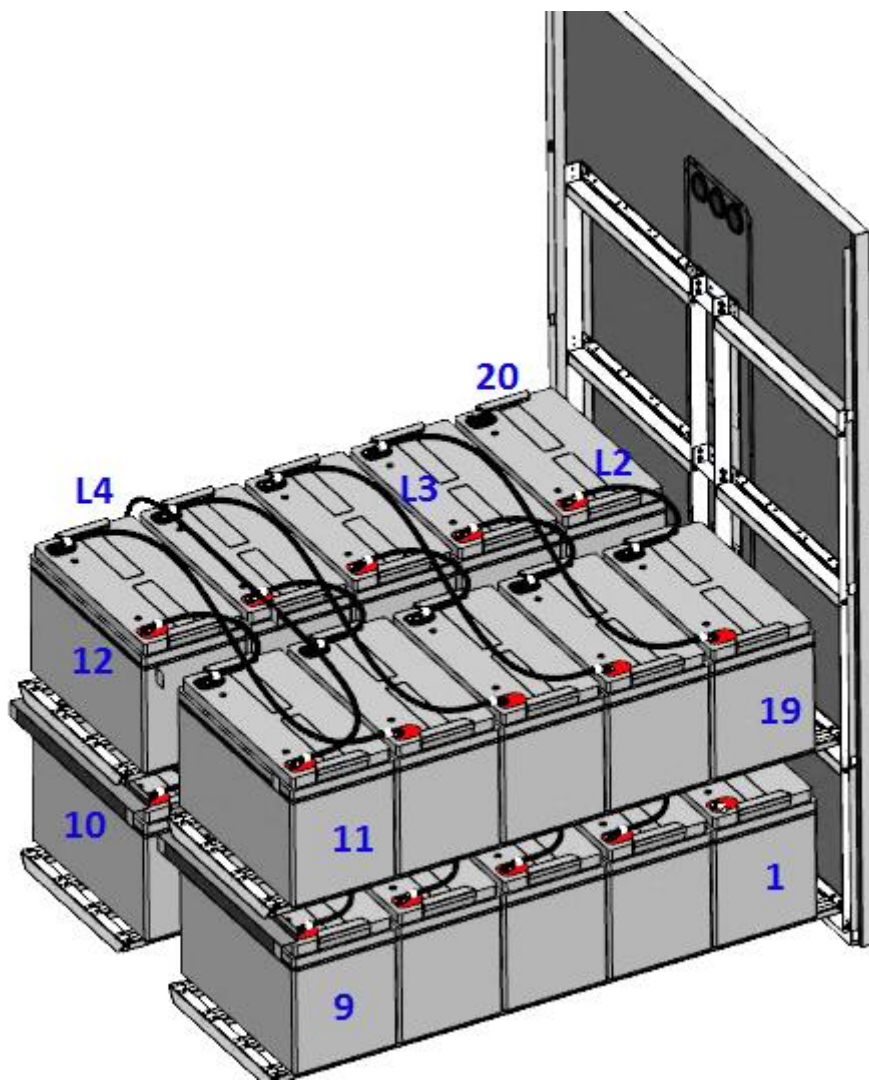


Step 6. Install the second bracket and put the batteries then connect the cables
(Battery*10pcs/Cable: L2*5pcs/L3*4pcs/L5*1pcs/L6*1pcs)

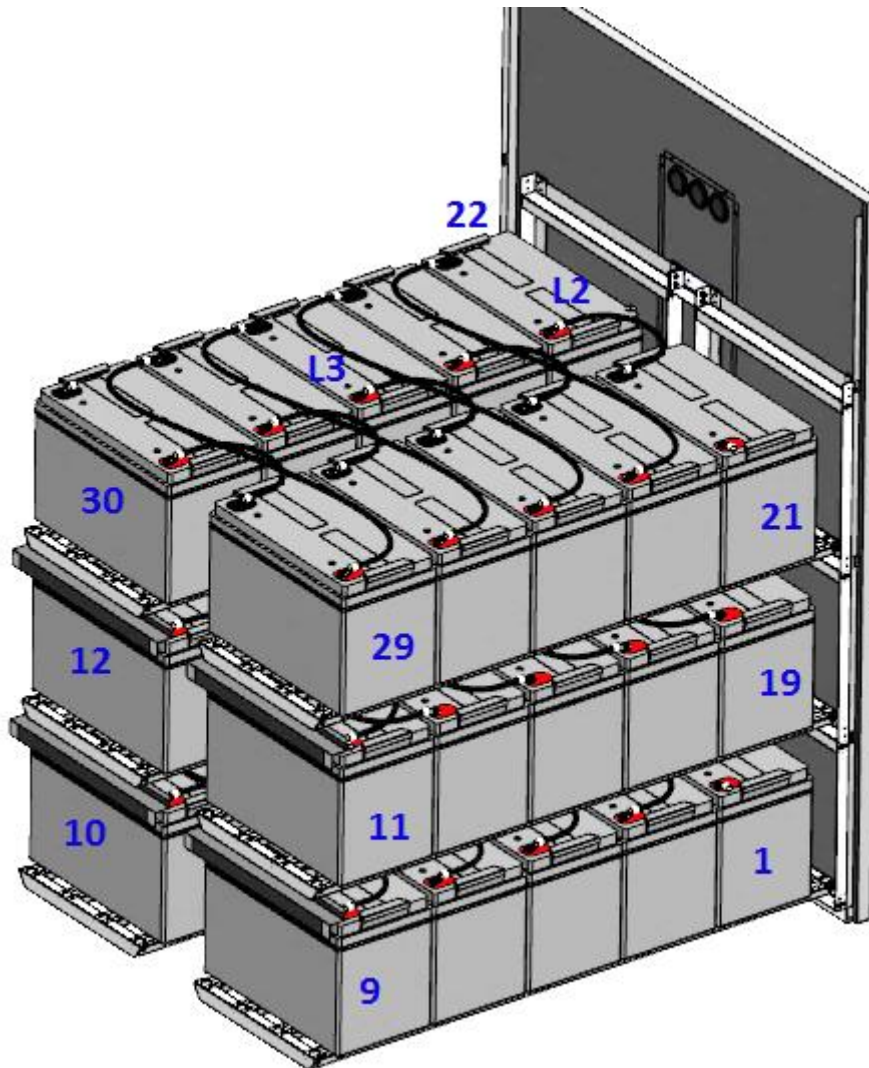
L4: From battery10(-) to battery11(+)

L5: Connect to battery11(+)(Prepared in advance but not shown)

L6: Connect to battery20(-)(Prepared in advance but not shown)



Step 7. Install the third bracket and put the batteries then connect the cables
(Battery*10pcs/Cable: L1*1pcs/ L2*5pcs/L3*4pcs/L4*1pcs)
L4: Connect to battery30(-) (Prepared in advance but not shown)
L1: Connect to battery21(+) (Prepared in advance but not shown)



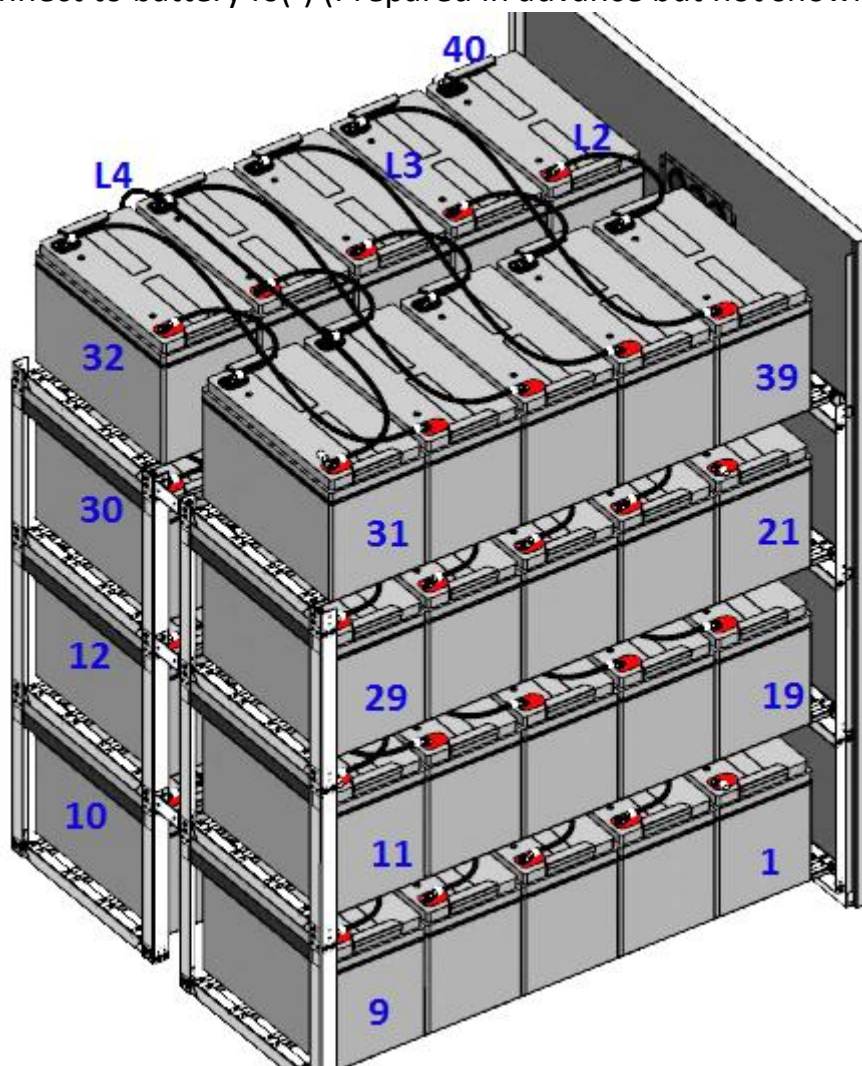
Step 8. Install the fourth bracket and put the batteries then connect the cables

(Battery*10pcs/Cable: L2*5pcs/L3*4pcs/ L5*1pcs/ L6*1pcs)

L4: From battery30(-) to battery31(+)

L5: Connect to battery31(+) (Prepared in advance but not shown)

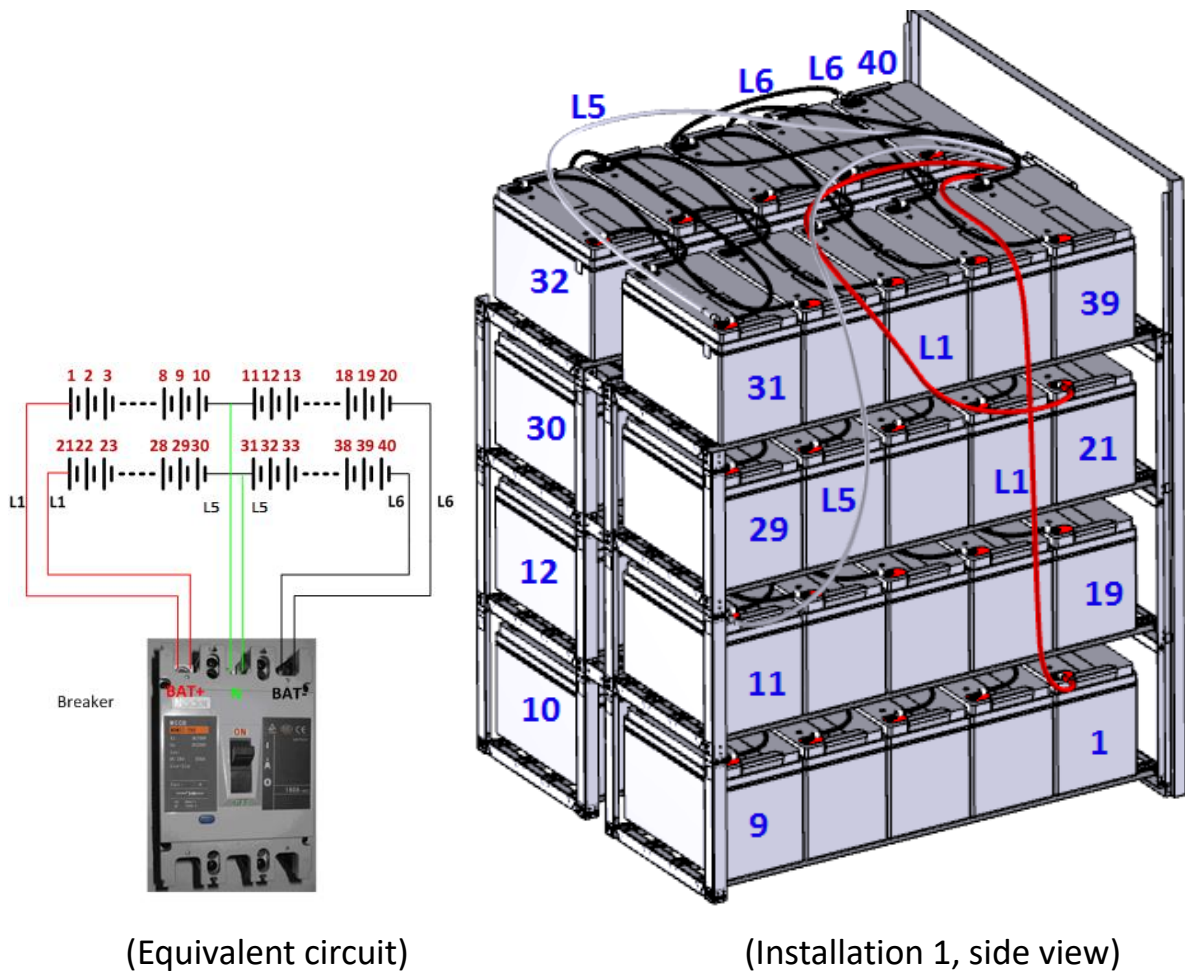
L6: Connect to battery40(-) (Prepared in advance but not shown)



Step 9. Connect the cables to breaker

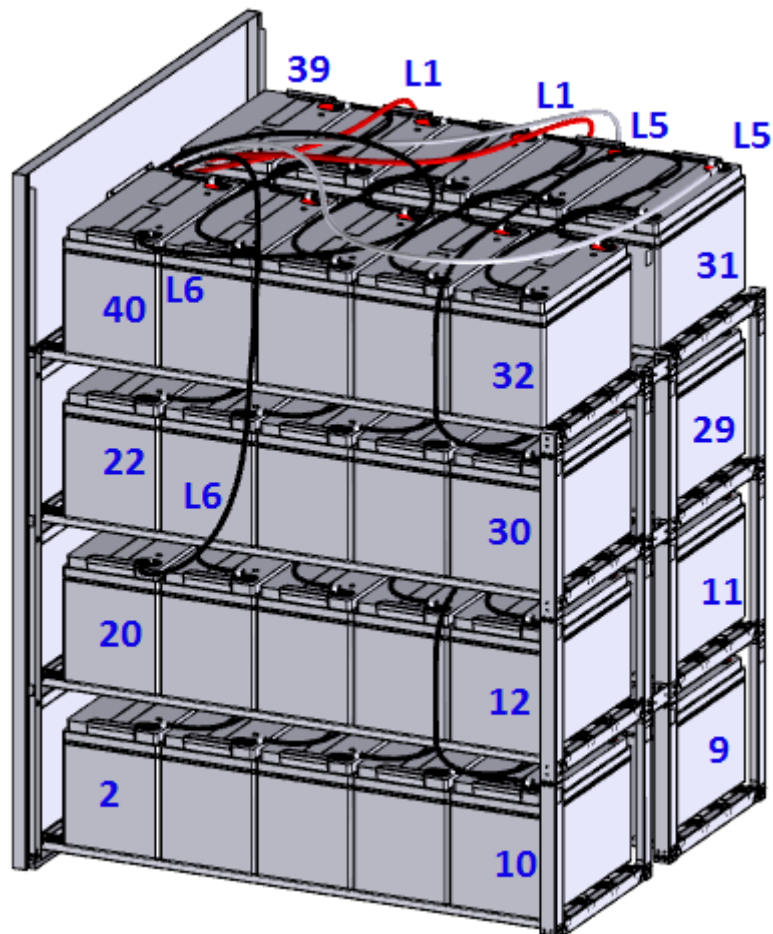
- L1: From battery1(+), to breaker(+)
- L1: From battery21(+), to breaker(+)
- L5: From Battery11(+), to breaker(N)
- L5: From Battery31(+), to breaker(N)
- L6: Battery20(-) to breaker(-)
- L6: Battery40(-) to breaker(-)

Please refer to the equivalent circuit and installation1&2.



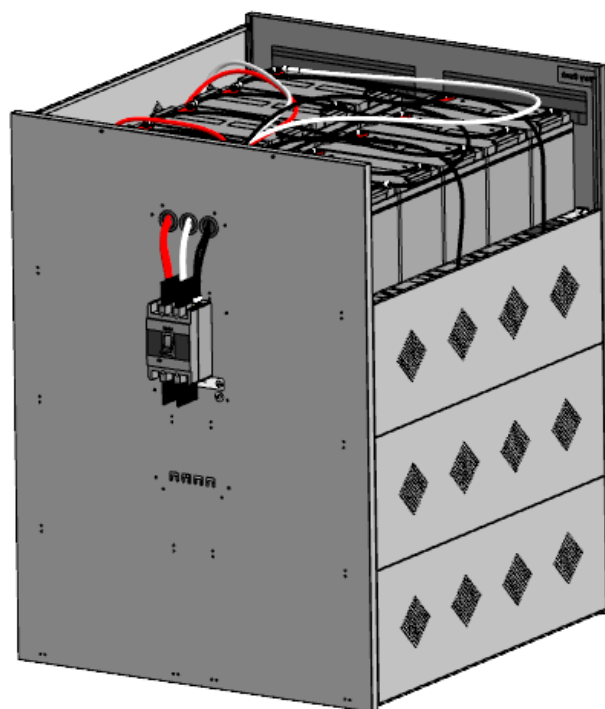
(Equivalent circuit)

(Installation 1, side view)



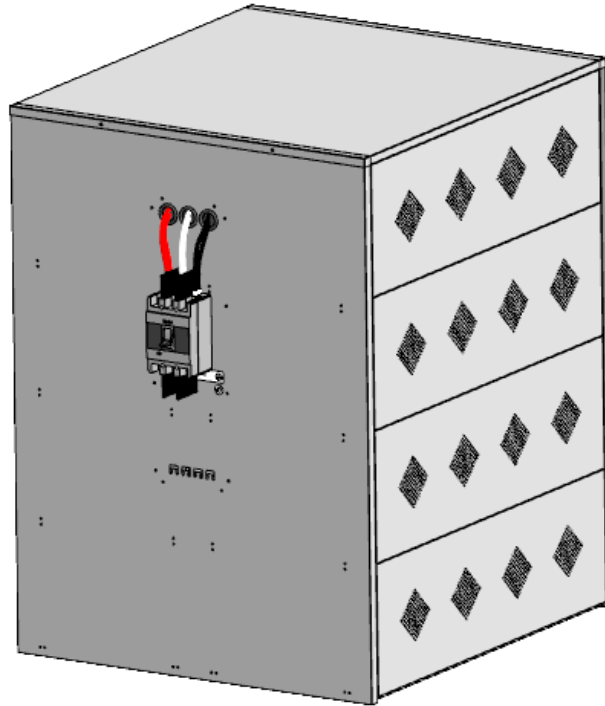
(Installation 2, the other side view)

Step 10. Put on the side panels (from bottom to top).



Step 11. Put on the top panel and tighten the screws (M3 screw*2pcs).

Please let the cables connect with breaker when you want to connect battery cabinet from UPS.



Step 12. Fixed the breaker cover (M3 screw*12pcs).

