

SMBF40/26 Installation Guide

Suggest accessory:

SMBCB250:

250A battery circuit breaker

SM250C40/26:

Battery cabinet internal cables and copper bars

Black insulating sleeve

82x20x4 mm Copper bars
19 PCS



Yellow insulating sleeve

92x20x4 mm Copper bars
10 PCS



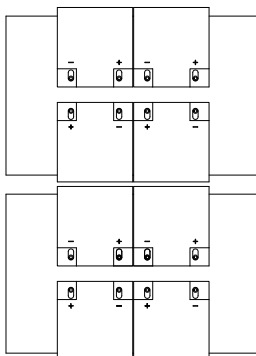
95mm² Cables X16 PCS

L1=2.2 mX1 PCS L2=1.5 mX1 PCS L3=1.2 mX1 PCS
L4=1.2 mX3 PCS L5=1.0 mX4 PCS L6=0.4 mX6 PCS

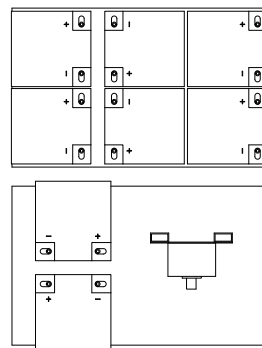


26Ah Battery Placement

First layer to fourth layer



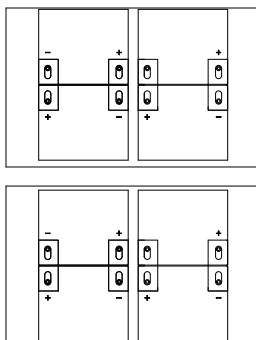
Fifth layer



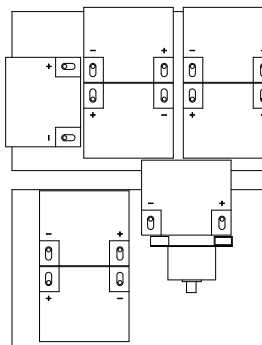
BP26-12-11 Battery
175Lx166Wx125H mm
9.4Kg

40Ah Battery Placement

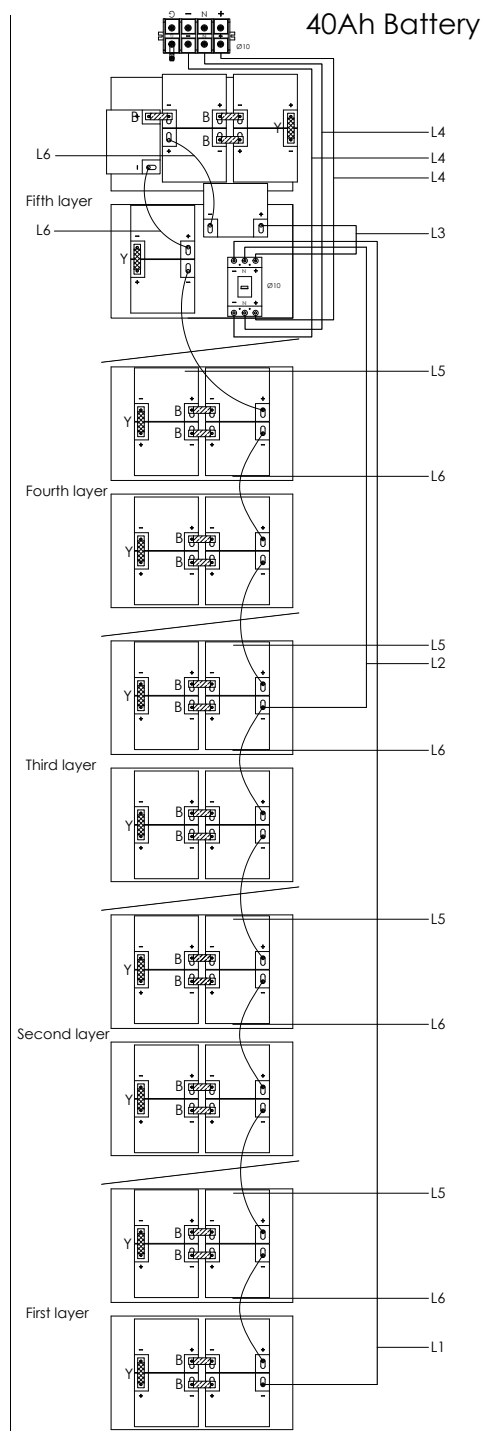
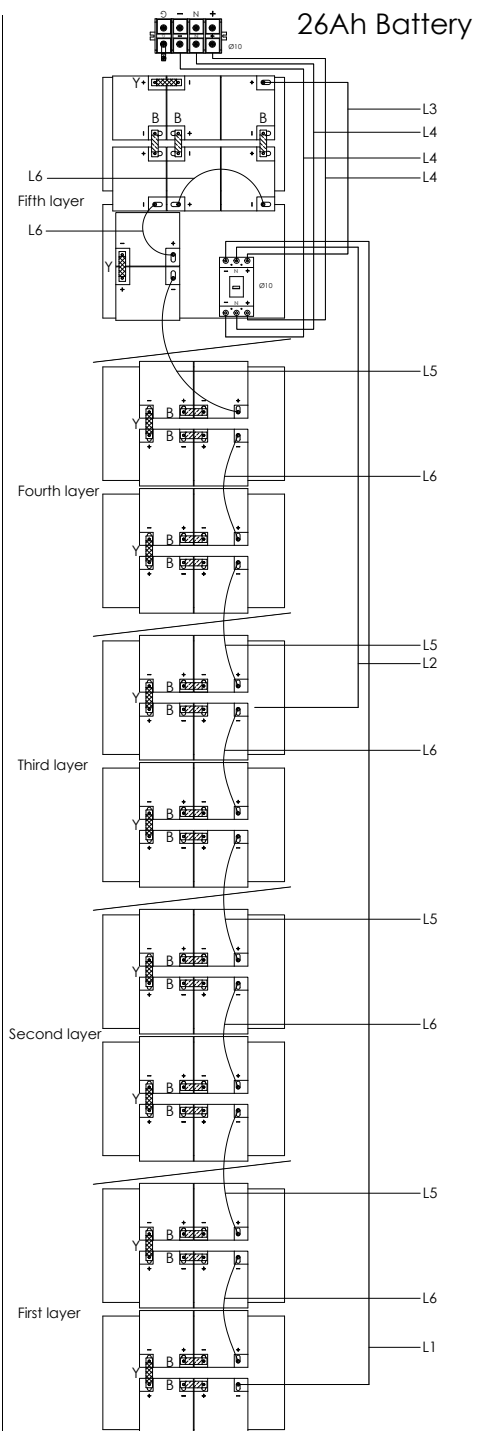
First layer to fourth layer



Fifth layer

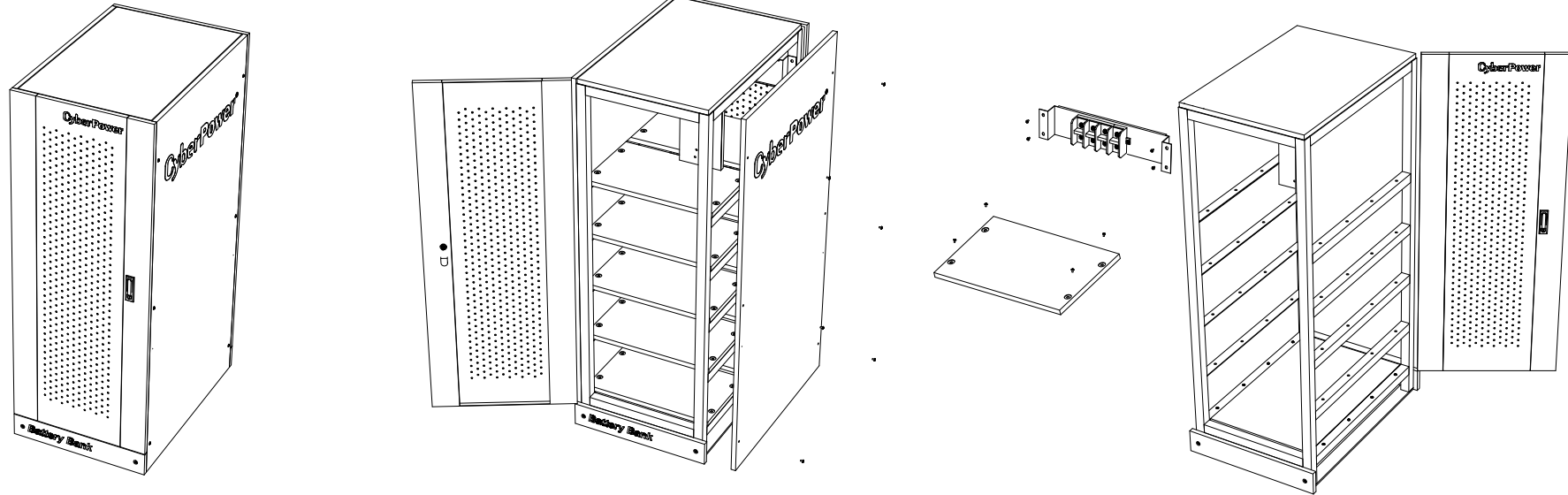


BP40-12-11 Battery
197Lx165Wx171H mm
14.3Kg



SMBF40/26: Battery cabinet

Remove side covers / back cover / 8 partition boards / terminal bracket /



Put 8 batteries as below drawing

Step 1: connect copper bars (Black : 4 pcs / Yellow : 2 pcs)

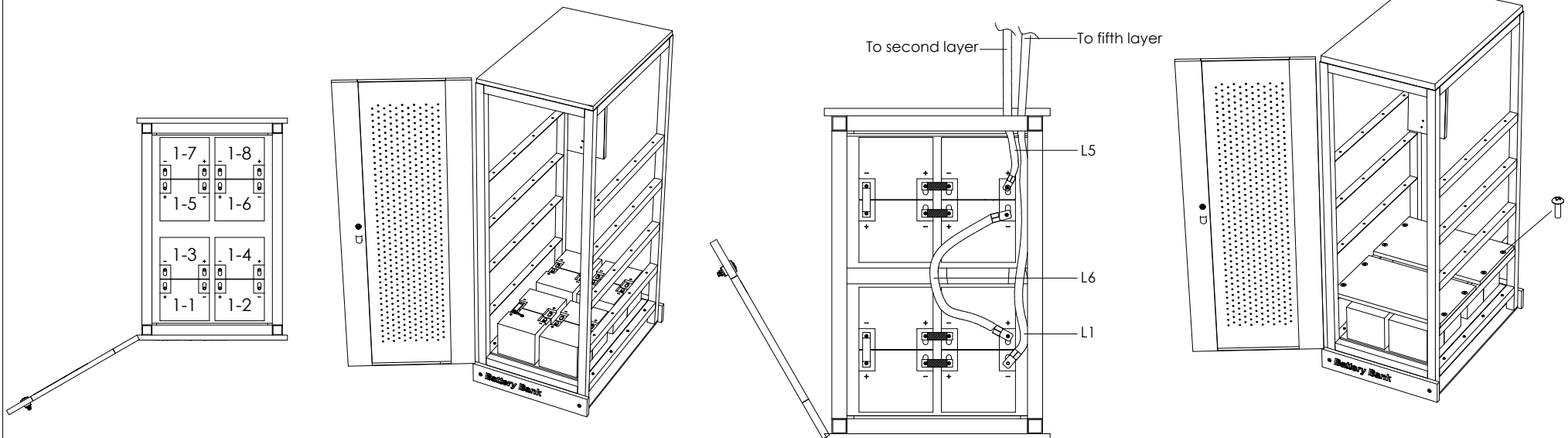
Step 2: Use L6 to connect batteries(1-4 ⊕ to 1-6 ⊖)

Step 3: Use L5 to connect battery(1-8 ⊕)

Step 4: Use L1 to connect battery(1-2 ⊖)

(Remark: Use insulation tape for unused terminal to prevent touching other batteries)

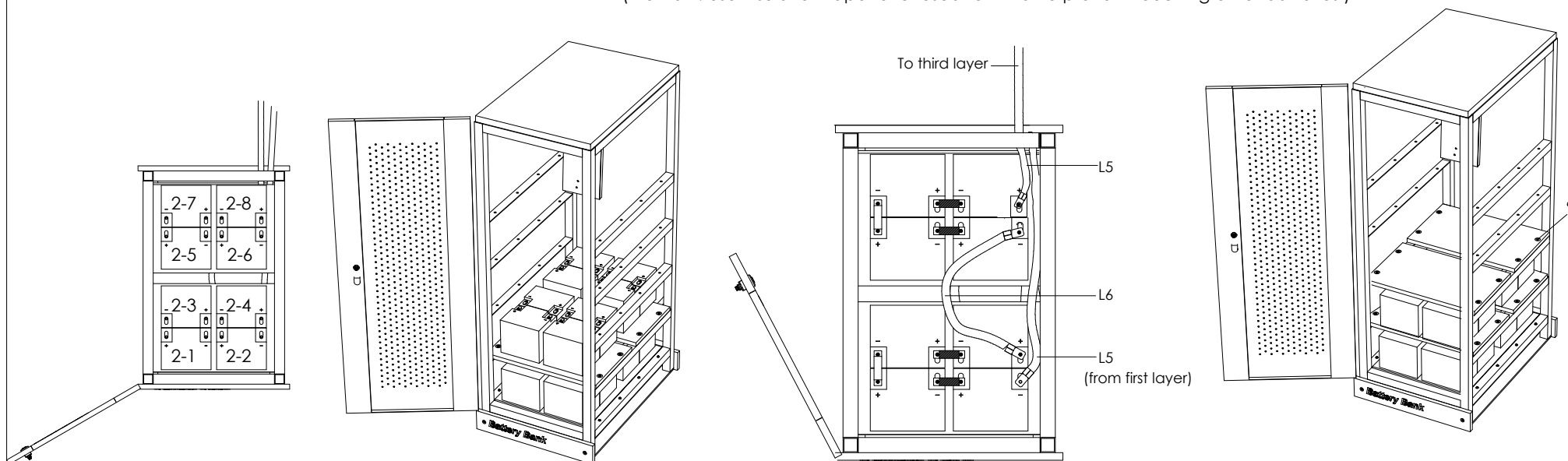
Put 2 partition boards for second layer and fix 8 pcs screws



Put 8 batteries as below drawing

Step 1: connect copper bars (Black : 4 pcs / Yellow : 2 pcs)
 Step 2: Use L6 to connect batteries(2-4 ⊕ to 2-6 ⊖)
 Step 3: Use first layer L5 to connect battery(2-2 ⊖)
 Step 4: Use L5 to connect battery(2-8 ⊕)
 (Remark: Use insulation tape for unused terminal to prevent touching other batteries)

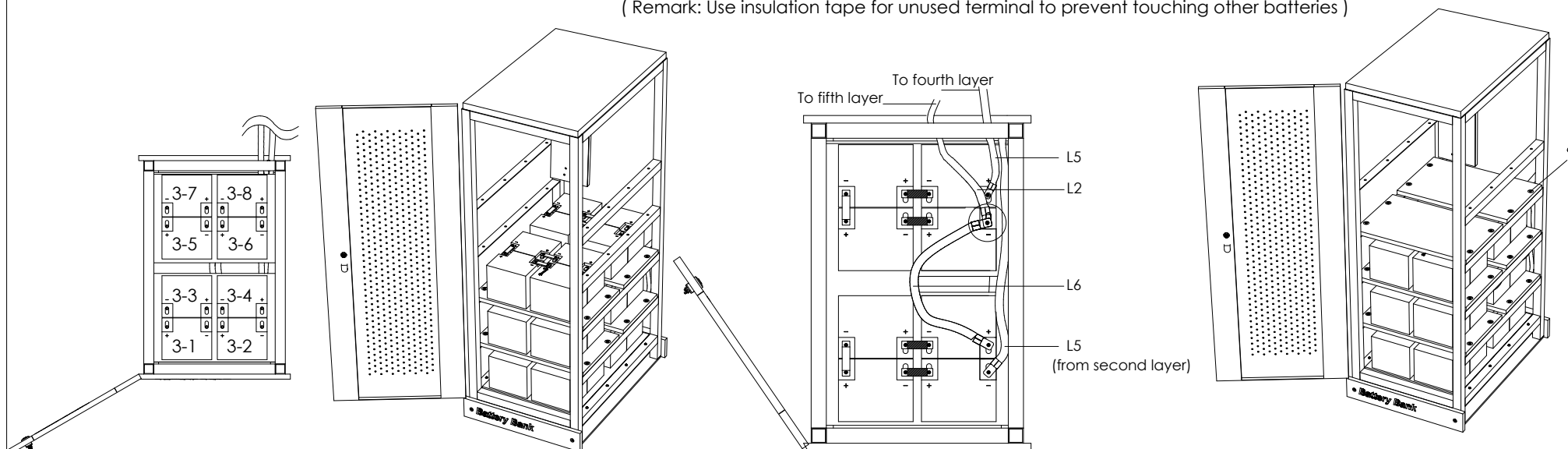
Put 2 partition boards for third layer
 and fix 8 pcs screws



Put 8 batteries as below drawing

Step 1: connect copper bars (Black : 4 pcs / Yellow : 2 pcs)
 Step 2: Use L6 to connect batteries(3-4 ⊕ to 3-6 ⊖)
 Step 3: Use L2 to connect battery(3-6 ⊖)
 Step 4: Use second layer L5 to connect battery(3-2 ⊖)
 Step 5: Use L5 to connect battery(3-8 ⊕)
 (Remark: Use insulation tape for unused terminal to prevent touching other batteries)

Put 2 partition boards for fourth layer
 and fix 8 pcs screws



Put 8 batteries as below drawing

Step 1: connect copper bars (Black : 4 pcs / Yellow : 2 pcs)

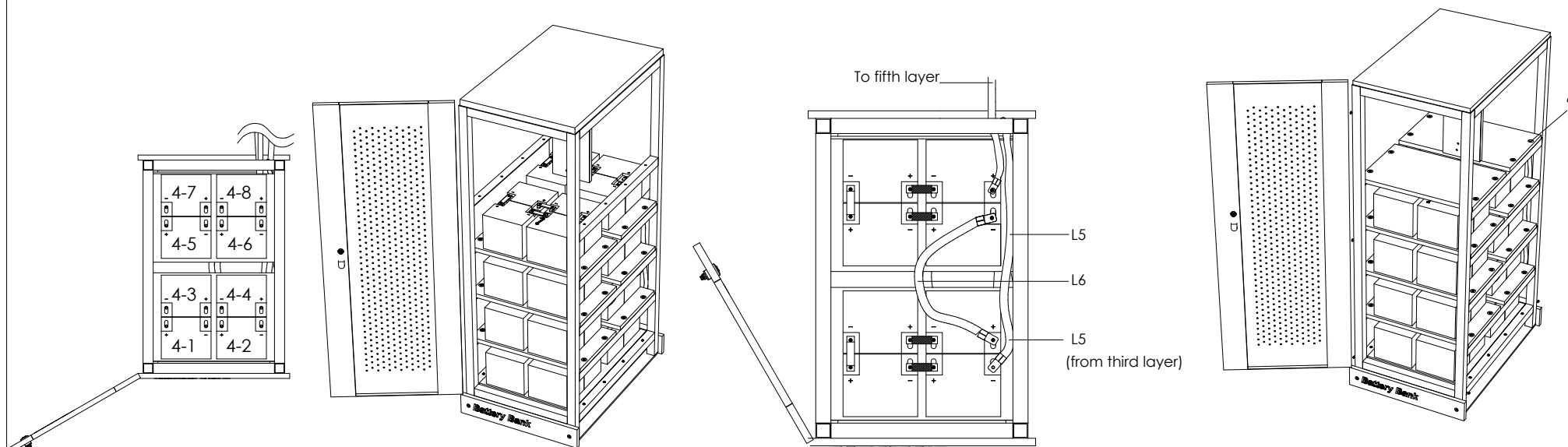
Step 2: Use L6 to connect batteries(4-4 ⊕ to 4-6 ⊖)

Step 3: Use third layer L5 to connect battery(4-2 ⊖)

Step 4: Use L5 to connect battery(4-8 ⊕)

(Remark: Use insulation tape for unused terminal to prevent touching other batteries)

Put 2 partition boards for fifth layer and fix 8 pcs screws



Put 26Ah battery
8 pieces as below drawing

Step 1: connect copper bars (Black : 3 pcs / Yellow : 2 pcs)

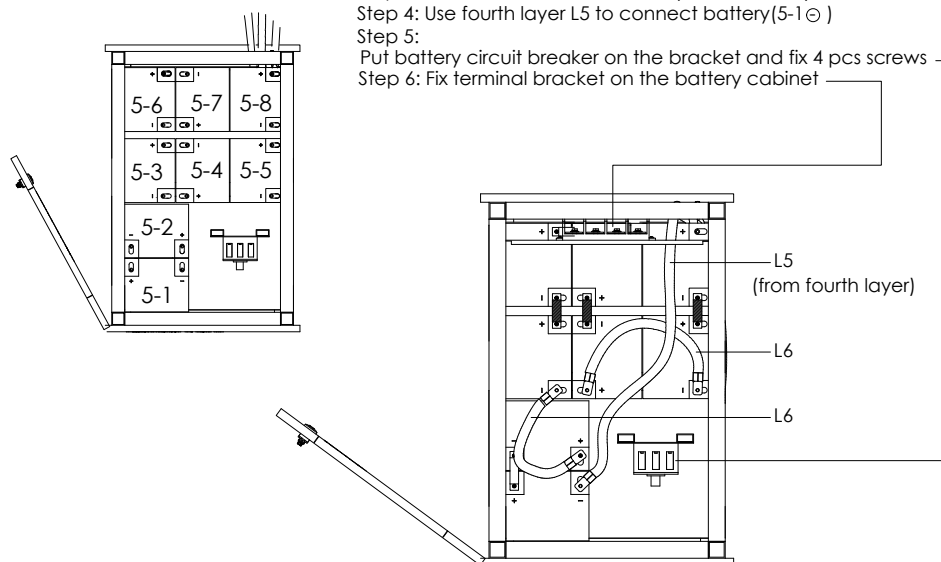
Step 2: Use L6 to connect batteries(5-2 ⊕ to 5-3 ⊖)

Step 3: Use L6 to connect batteries(5-4 ⊕ to 5-5 ⊖)

Step 4: Use fourth layer L5 to connect battery(5-1 ⊖)

Step 5:

Put battery circuit breaker on the bracket and fix 4 pcs screws
Step 6: Fix terminal bracket on the battery cabinet



Step 1: Use L3 to connect batteries(5-8 ⊕) to 250A battery circuit breaker (1 ⊕)

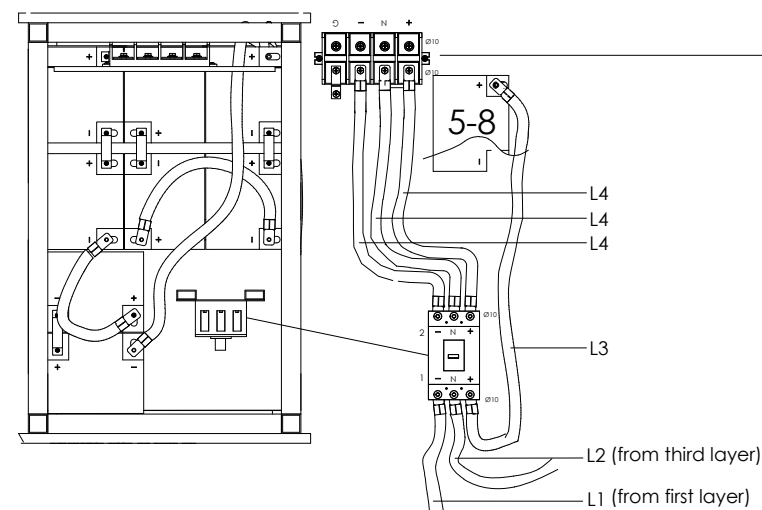
Step 2: Use third layer L2 to 250A battery circuit breaker (1 ⊕)

Step 3: Use first layer L1 to 250A battery circuit breaker (1 ⊕)

Step 4: Use L4 to 250A battery circuit breaker (2 ⊕) to terminal bracket (⊕)

Step 5: Use L4 to 250A battery circuit breaker (2 ⊕) to terminal bracket (⊕)

Step 6: Use L4 to 250A battery circuit breaker (2 ⊖) to terminal bracket (⊖)

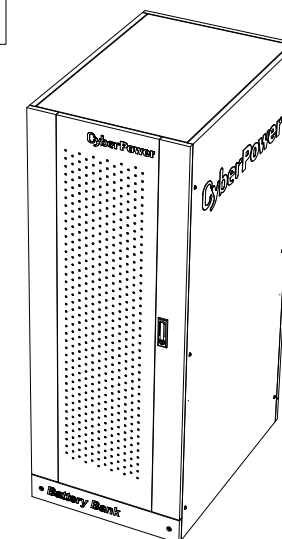


Use the meter to measure
the voltage on the terminals

⊕ ⇒ ⊕: +250 Vdc

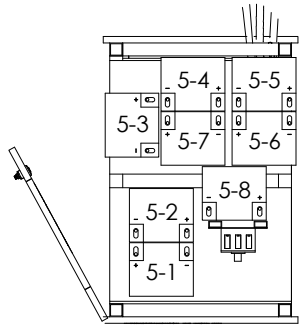
⊖ ⇒ ⊖: -250 Vdc

Put side covers / back cover
Fully assembled

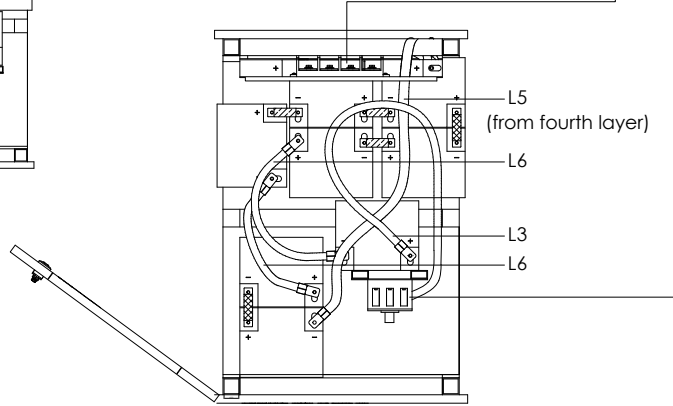


(Remark: Use insulation tape for unused
terminal to prevent touching other batteries)

Put 40Ah battery
8 pieces as below drawing

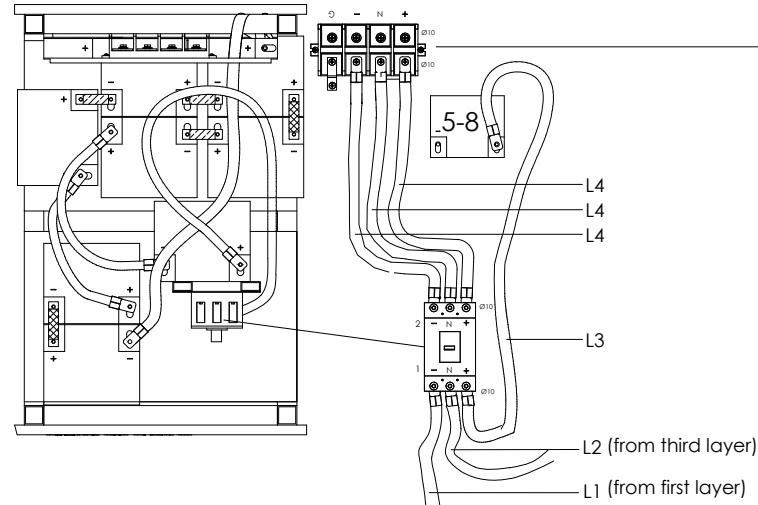


- Step 1: connect copper bars (Black : 3 pcs / Yellow : 2 pcs)
 Step 2: Use L6 to connect batteries(5-2 ⊕ to 5-3 ⊖)
 Step 3: Use L6 to connect batteries(5-7 ⊕ to 5-8 ⊖)
 Step 4: Use fourth layer L5 to connect battery(5-1 ⊖)
 Step 5:
 Put battery circuit breaker on the bracket and fix 4 pcs screws
 Step 6: Fix terminal bracket on the battery cabinet



(Remark: Use insulation tape for unused
terminal to prevent touching other batteries)

- Step 1: Use L3 to connect batteries(5-8 ⊕) to 250A battery circuit breaker (1 ⊕)
 Step 2: Use third layer L2 to 250A battery circuit breaker (1 ⊖)
 Step 3: Use first layer L1 to 250A battery circuit breaker (1 ⊖)
 Step 4: Use L4 to 250A battery circuit breaker (2 ⊕) to terminal bracket (⊕)
 Step 5: Use L4 to 250A battery circuit breaker (2 ⊖) to terminal bracket (⊖)
 Step 6: Use L4 to 250A battery circuit breaker (2 ⊖) to terminal bracket (⊖)



Use the meter to measure
the voltage on the terminals
 ⊕ ⇒ ⊖: +250 Vdc
 ⊖ ⇒ ⊖: -250 Vdc
 Put side covers / back cover
 Fully assembled

