

SMBF20/17 Installation Guide

Suggest accessory:

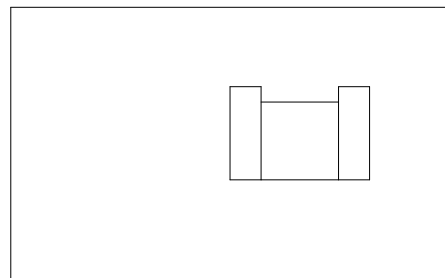
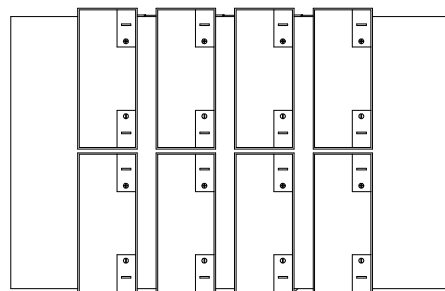
SMBCB125:
125A battery circuit breaker
SM125C20/17:
Battery cabinet internal cables and copper bars

25mm²/2 Cables X45 PCS
L1=1.9 mX2 PCS L2=1.3 mX3 PCS L3=1.0 mX2 PCS
L4=0.9 mX1 PCS L5=0.25 mX37 PCS



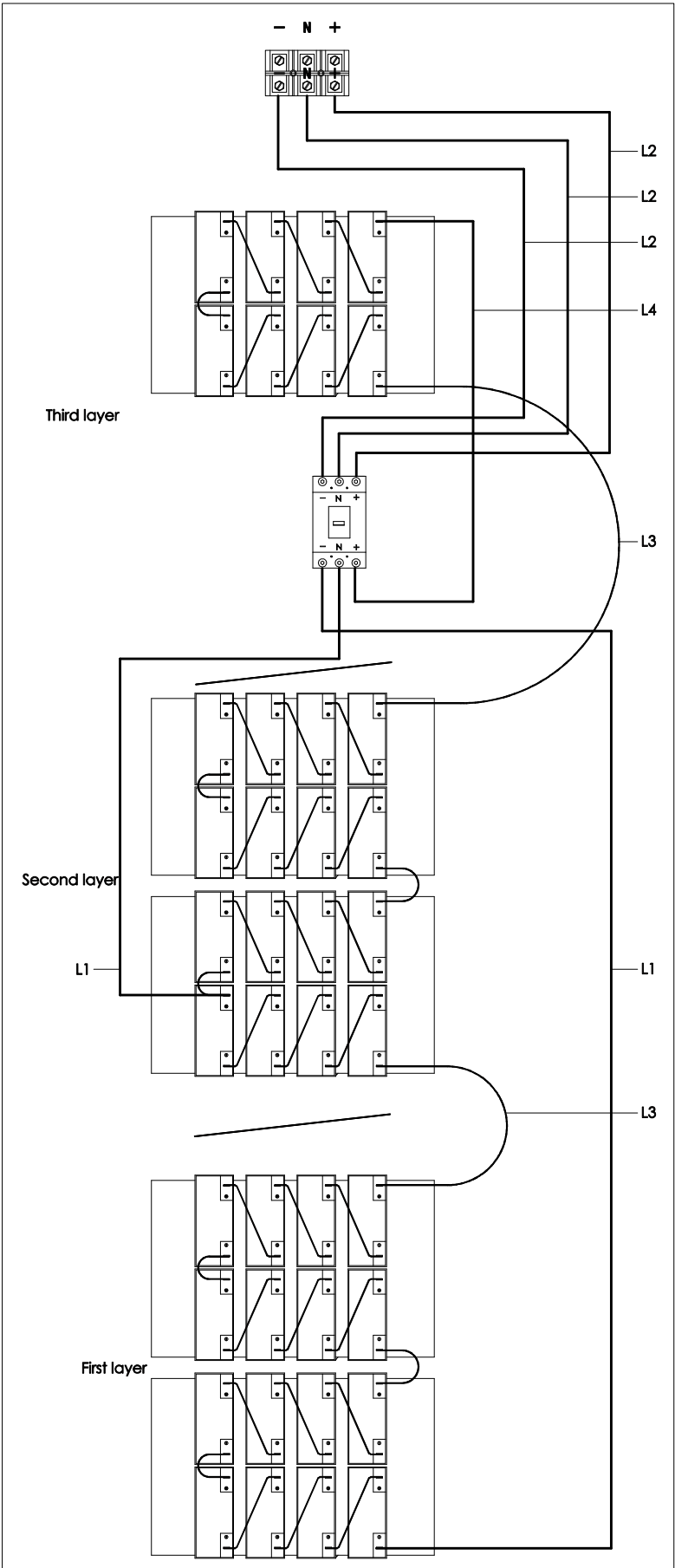
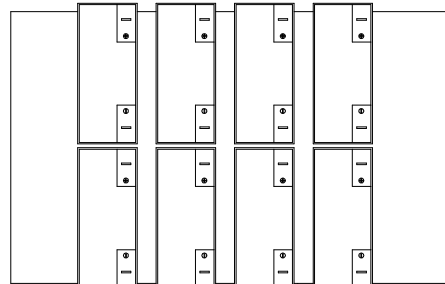
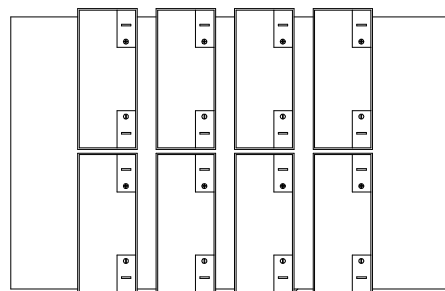
Battery
Placement
(Third layer)

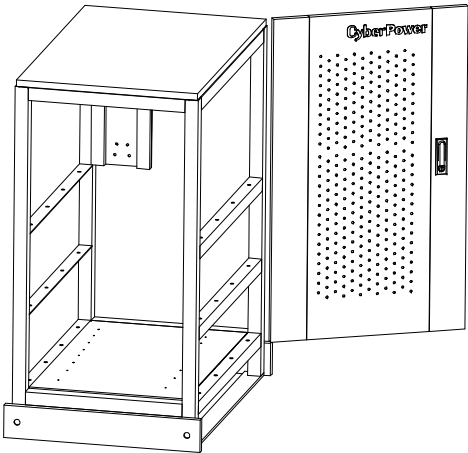
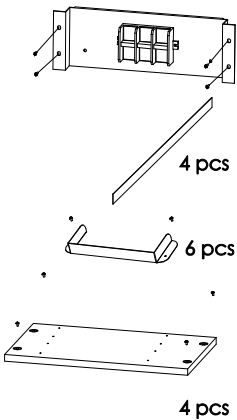
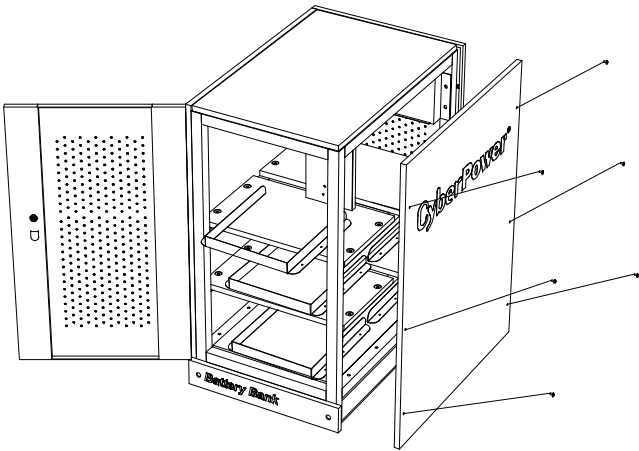
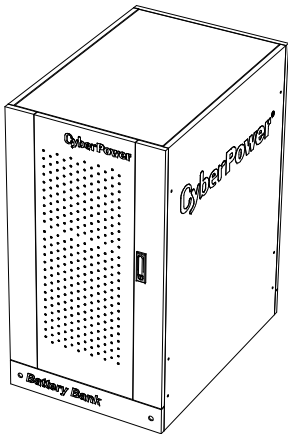
BP20/17-12-B1 Battery
181Lx76Wx166H mm
6.35/6.15 Kg



Battery
Placement
(First layer to
Second layer)

BP20/17-12-B1 Battery
181Lx76Wx166H mm
6.35/6.15 Kg





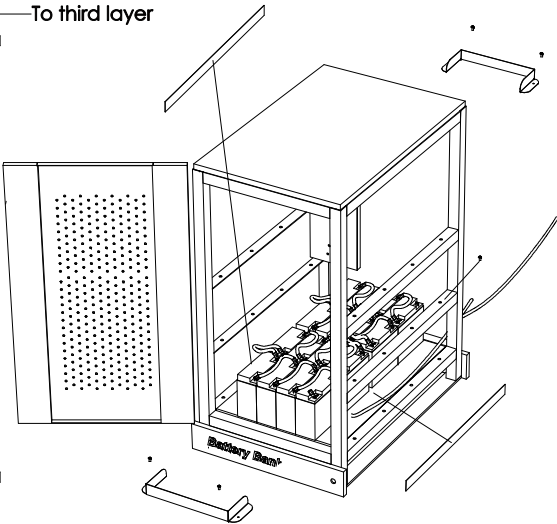
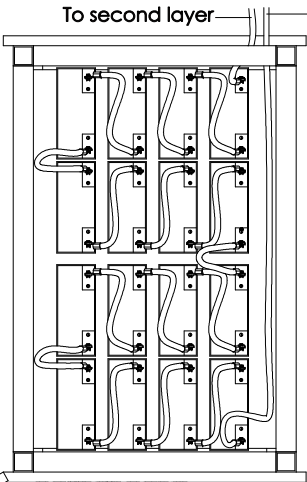
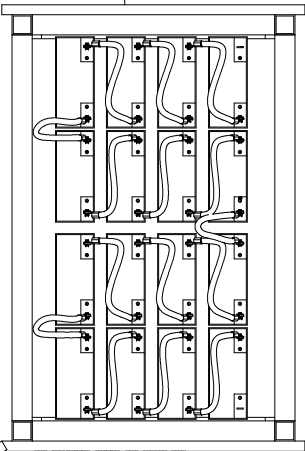
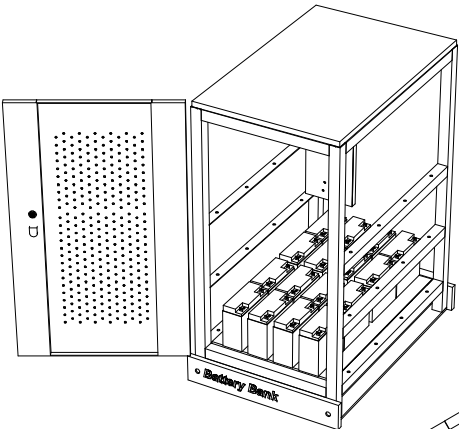
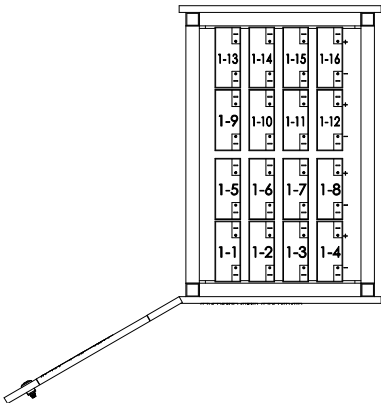
Step 1: Use L5 to connect batteries(1-1⊖to 1-2⊕)
Step 2: Marked in accordance with drawings,
carried lock attached.

Step 1: Use L1 to connect battery(1-4⊖)
Step 2: Use L3 to connect battery(1-16⊕)

Centralized battery and lock tailgate
Put 2 partition boards for second layer
and fix 8 pcs screws

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

Put 16 batteries as below drawing



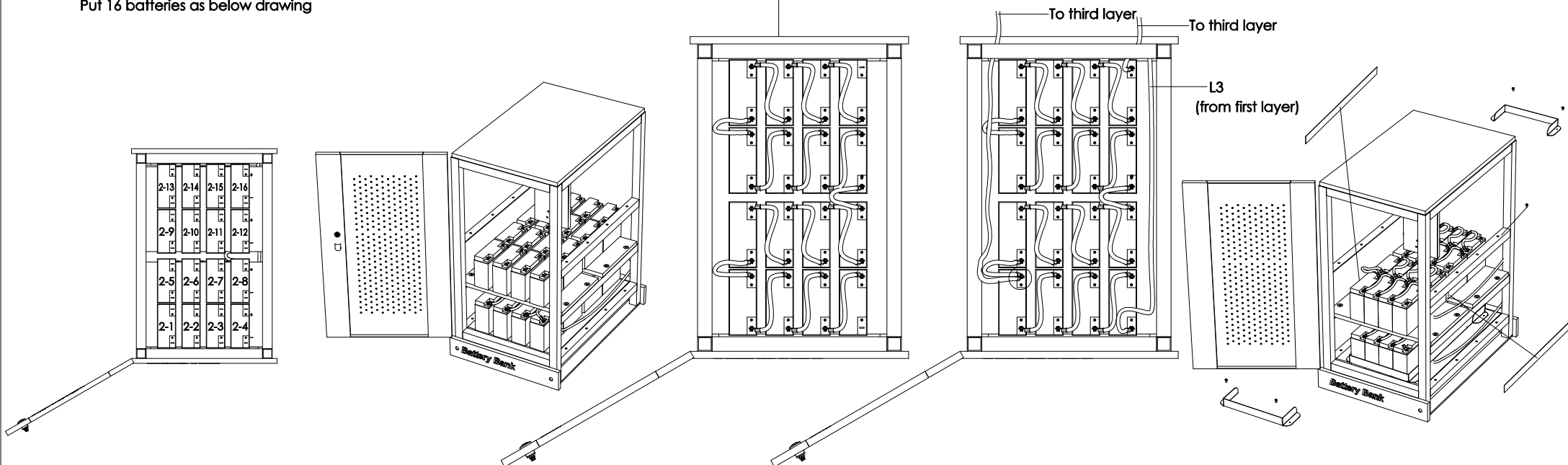
Put 16 batteries as below drawing

Step 1: Use L5 to connect batteries(2-1⊖ to 2-2⊕)
Step 2: Marked in accordance with drawings,
carried lock attached.

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

Step 1: Use first layer L3 to connect battery(2-4⊖)
Step 2: Use L3 to connect battery(2-16⊕)
Step 3: Use L1 to connect battery(2-1⊕)

Centralized battery and lock tailgate

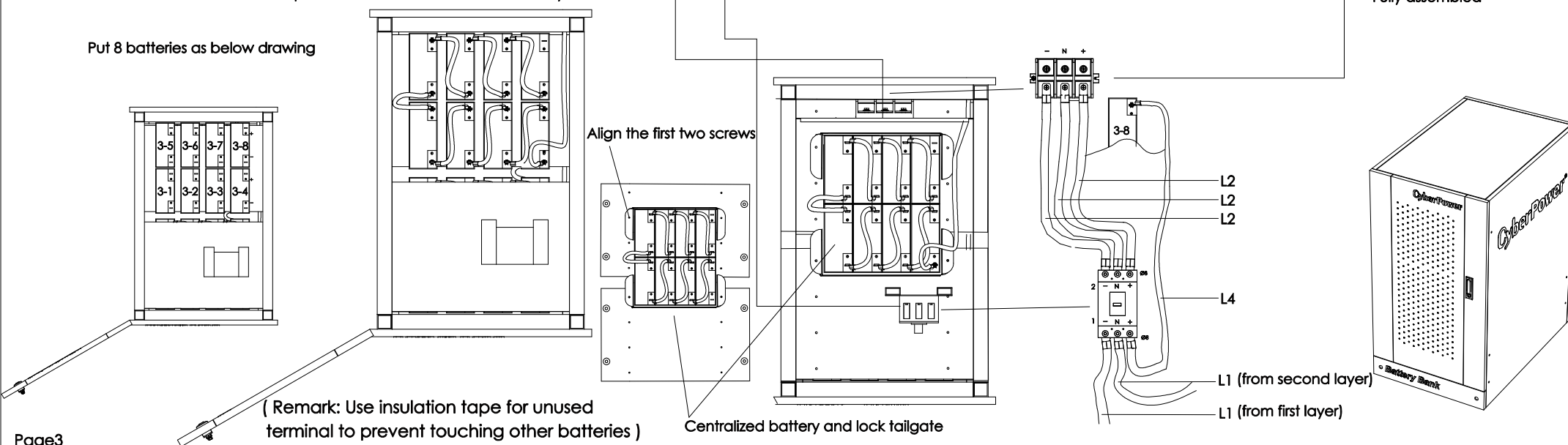


Step 1: Use L5 to connect batteries(3-1⊖ to 3-2⊕)
Step 2: Marked in accordance with drawings,
carried lock attached.
Step 3: Use second layer L3 to connect battery(3-4⊖)
Step 4:
Put battery circuit breaker on the bracket and fix 4 pcs screws
Step 5: Fix terminal bracket on the battery cabinet

Step 1: Use L4 to connect batteries(3-8⊕) to 125A battery circuit breaker (1⊕)
Step 2: Use second layer L1 to 125A battery circuit breaker (1⊖)
Step 3: Use first layer L1 to 125A battery circuit breaker (1⊖)
Step 4: Use L2 to 125A battery circuit breaker (2⊕) to terminal bracket (⊕)
Step 5: Use L2 to 125A battery circuit breaker (2⊖) to terminal bracket (⊖)
Step 6: Use L2 to 125A battery circuit breaker (2⊖) to terminal bracket (⊖)

Use the meter to measure
the voltage on the terminals
⊕ ⇒ N: +125 Vdc
⊖ ⇒ N: -125 Vdc
Put side covers / back cover
Fully assembled

Put 8 batteries as below drawing



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



Battery voltage higher than 400Vdc

All the battery maintenance and servicing procedures involving internal access need special tools or keys and should be carried out only by trained personnel.

SPECIAL CARE SHOULD BE TAKEN WHEN WORKING WITH THE BATTERIES ASSOCIATED WITH THIS EQUIPMENT.

WHEN CONNECTED TOGETHER, THE BATTERY TERMINAL VOLTAGE WILL EXCEED 400Vdc AND IS POTENTIALLY LEATHAL.

Battery manufacturers supply details of the necessary precautions to be observed when working on, or in the vicinity of, a large bank of battery cells. These precautions should be followed implicitly at all times. Particular attention should be paid to the recommendations concerning local environmental conditions and the provision of protective clothing, first aid and fire-fighting facilities.

1. Use insulation tape for unused terminal to prevent touching other batteries.
2. Don't touch two different live parts (different voltage) at the same time.