

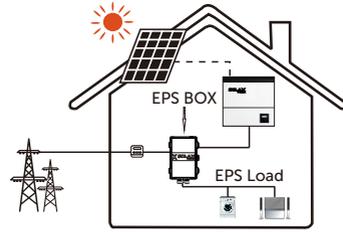
Quick Installation Guide

X3-EPS BOX

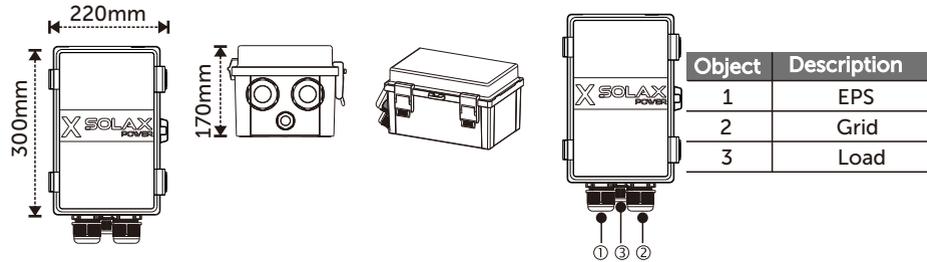


1. Introduction

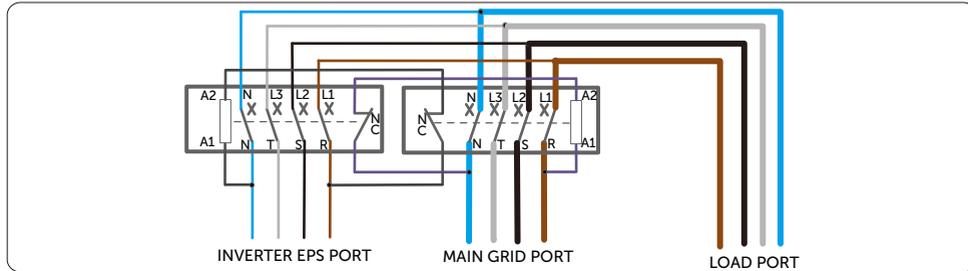
X3-EPS BOX integrates two contactors which provide power steering for users. It is compatible with Three-phase EPS change-over application. Configured with X3-EPS BOX, customers need to connect 13 wires to complete the steering circuit. It can simplify the operation and improve security.



2. Overview



3. Device Structure



4. Preparation

4.1 Packing List Checking

Before installation, make sure that nothing inside the package is damaged.

The following items should be inside the package.

① Self-tapping screws x4 Washers x4	② Expansion tubes x4	③ Cushion blocks x4 Flat head screws x4
④ 6 mm ² tube-insulated terminals x15	⑤ 16 mm ² tube-insulated terminals x15	⑥ Silicone sleeves x15

4.2 Tools

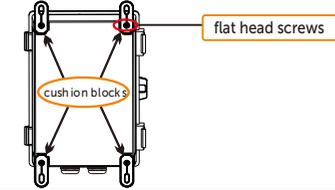
Before you start, get the following tools ready.

Diagonal plier	Philips screwdriver	Φ6 drill	Crimping plier
Marker pen	Slotted screwdriver	Manual wrench	Rubber hammer

5. Mounting

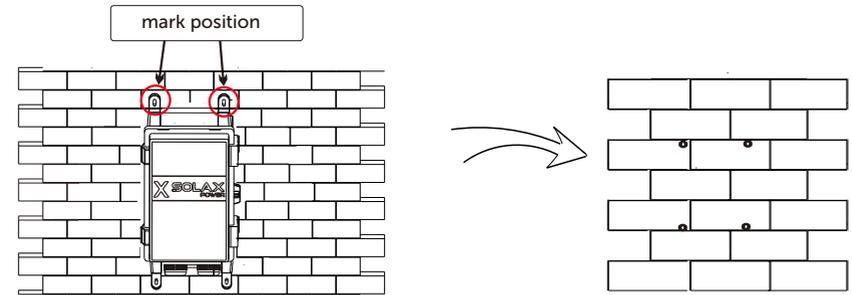
Step 1:

Make sure the installation site does not expose to direct sunlight. Then install the four cushion blocks on X3-EPS BOX with flat head screws.



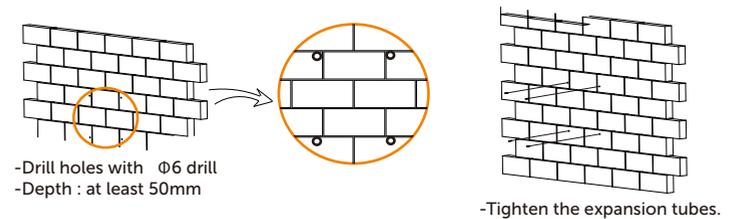
Step 2:

Use X3-EPS BOX with cushion blocks as a template to mark the four holes' position on the wall with marker pen.



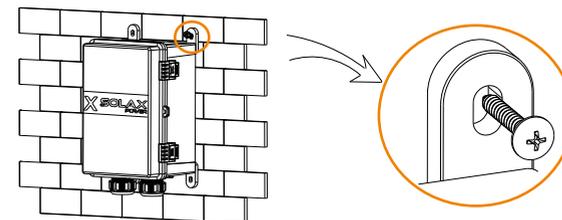
Step 3:

Drill holes with Φ6 drill carefully, make sure the holes are deep enough for installing. Put the expansion tubes into the wall, then insert the self-tapping screws through the cushion blocks into the expansion tubes. Screw and tighten the screws.



Step 4:

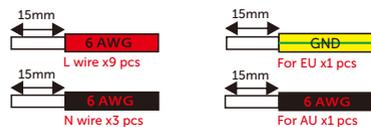
Install the expansion screws with screwdriver to fix the X3-EPS BOX.



6. Wiring Connection

6.1 Wires making

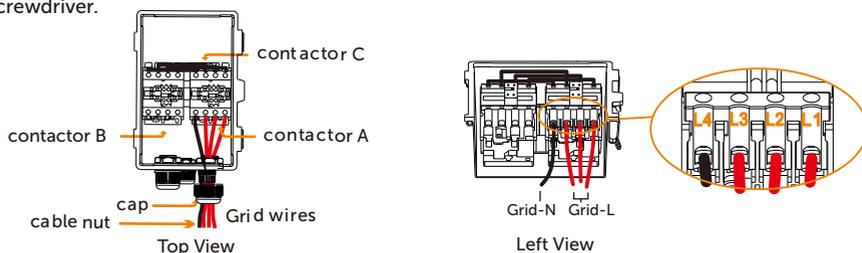
- Prepare wires as below. Use the diagonal plier to trip 15mm of insulation from side of the wire.
- Insert wire into cable gland, then insert the end of wire into cold pressed terminal and tighten it.



If AWG-10 wires are used, please pass the wires through the silicone sleeves to avoid leakage at the insertions.

6.2 Grid-Wires Connection

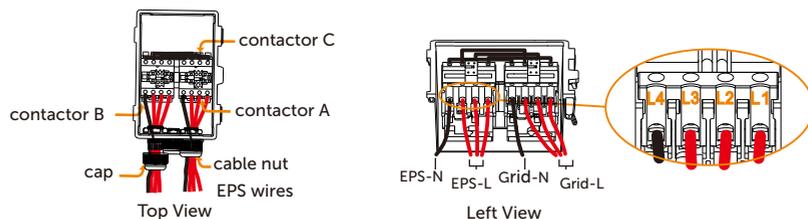
Use the manual wrench to screw off the cap on cable nut, then insert Grid-L wires and Grid-N wires into the ports (L1,L2,L3,L4) of contactor A through the cable nut and tighten them with screwdriver.



Please prevent other wires from getting loose during operation.

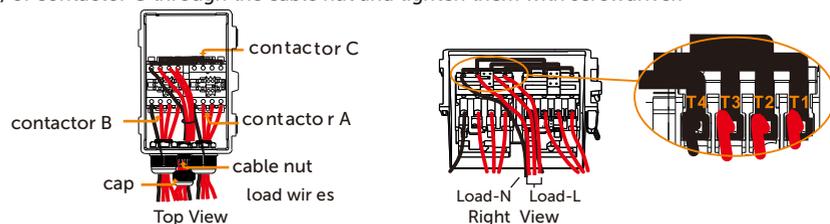
6.3 EPS-Wires Connection

Screw off the cap on cable nut, then insert EPS-L wires and EPS-N wires into ports (L1, L2, L3, L4) of contactor B through the cable nut and tighten them with screwdriver.



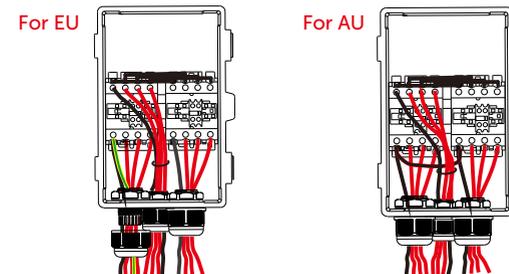
6.4 Load-Wires Connection

Screw off the cap on cable nut, then insert Load-L wires and Load-N wires into ports (T1, T2, T3, T4) of contactor C through the cable nut and tighten them with screwdriver.



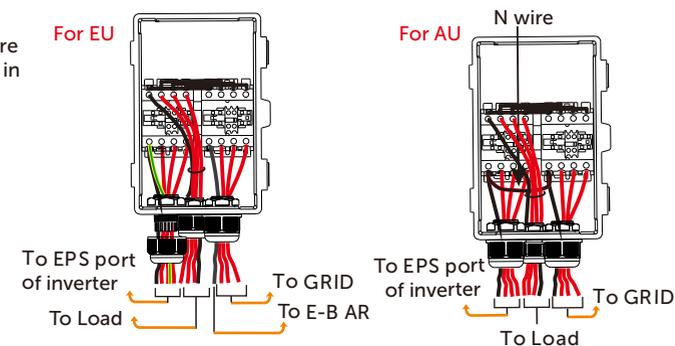
6.5 Earth-Wire Connection

For EU users, please insert the GND wire into port of contactor (B: L4) through the cable nut and tighten it with screwdriver. For AU users, please insert N wire into ports of contactor (A: L4 & B: L4).

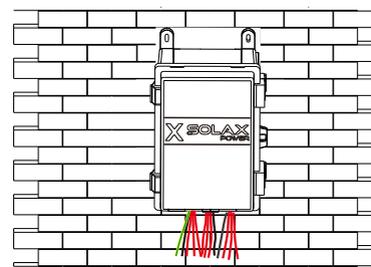


6.6 Checking

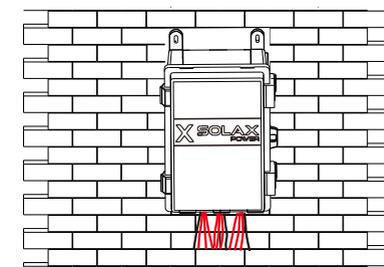
Please make sure all wires are tightened. Wire connection in X3-EPS BOX.



Overview of X3-EPS BOX



For EU



For AU

7. Technical Parameters

Grid		Load	
Max.AC input current (A)	3x63	Rated output current(A), on grid mode	3x63*
Rated AC voltage (V)	3/N/PE~400/230	Rated output current(A), EPS mode	3x63*
Rated AC frequency (Hz)	50 / 60	Rated Grid Voltage(V)	3/N/PE~400/230
EPS		Rated Grid Frequency(Hz)	50/60
Max.EPS input current (A)	3x63	General Data	
Rated EPS voltage (V)	3/N/PE~400/230	Operating Temperature range (°C)	-20~+60
Rated EPS frequency (Hz)	50 / 60	Dimension (mm)	300 x 220 x 170
		Weight (kg)	4.85



*: The output current will be reduced when the operating temperature exceeds 40°C. At 50°C, the output current drops to 95%. At 60°C, it drops to 80%.