

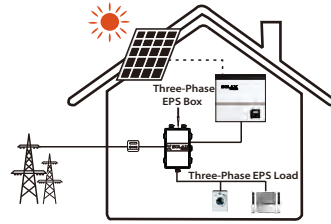
# Quick Installation Guide

## Three-Phase EPS Box

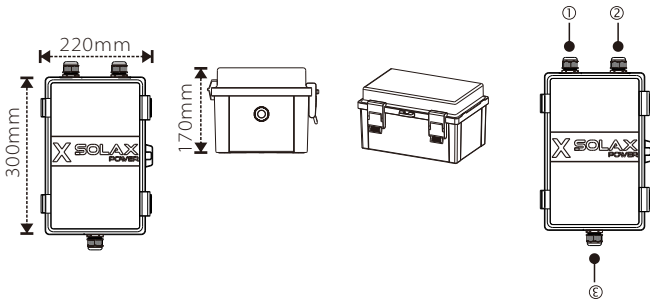


### 1. Introduction

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



### 2. Overview

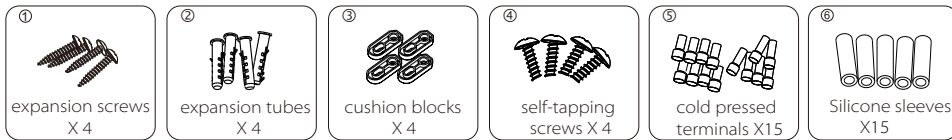


Object	Description
1	Grid
2	EPS
3	Load

### 3. Preparation

#### 3.1 Packing List Checking

Before installation, make sure that nothing inside the package is damaged. The following items should be inside the package.



#### 3.2 Tools

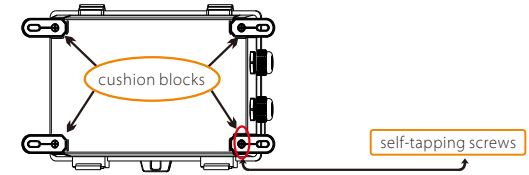
Before you start, get the following tools ready.



### 4. Mounting

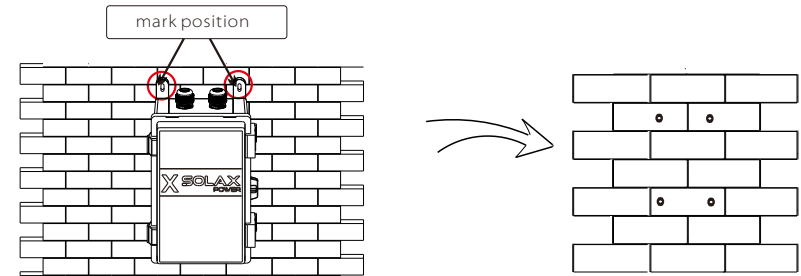
#### Step 1:

Make sure the installation site does not expose to direct sunlight. Then install the four cushion blocks on Three-phase EPS Box with self-tapping screws.



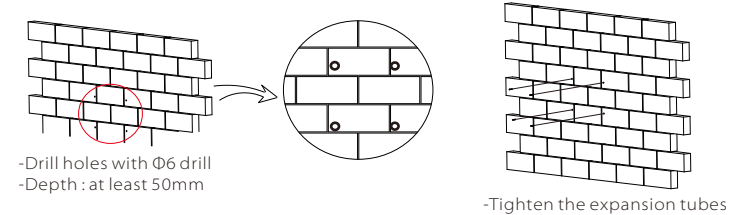
#### Step 2:

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



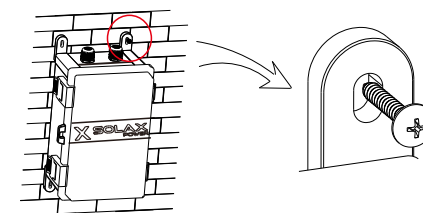
#### Step 3:

Drill holes with Φ6 driller carefully, make sure the holes are deep enough for installing. Install the expansion tubes through cushion blocks into the holes and tighten them.



#### Step 4:

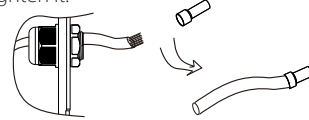
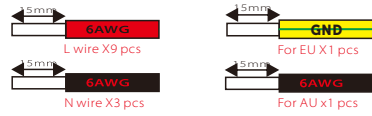
Install the expansion screws with screwdriver to fix the Three-phase EPS Box.



## 5. Wiring Connection

### 5.1 Wires making

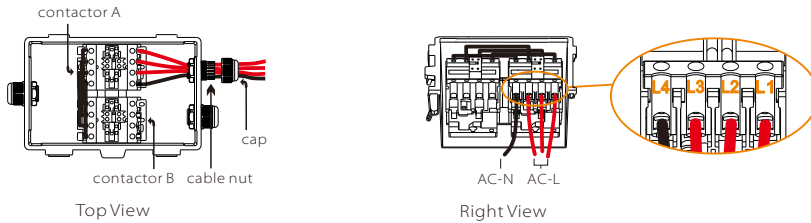
- Prepare wires as below. Use the diagonal plier to trip 15mm of insulation from side of the wire.
- Insert wire into cable gland, then insert the end of wire into cold pressed terminal and tighten it.



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

### 5.2 AC-Wires Connection

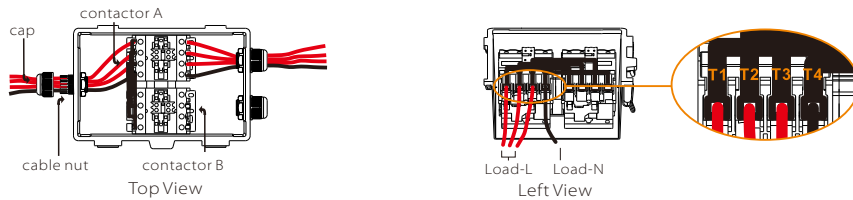
Use the manual wrench to screw off the cap on cable nut, then insert AC-L wires and AC-N wires into the ports (L1,L2,L3,L4) of contactor A through the cable nut and tighten them with screwdriver.



Please prevent other wires from getting loose during operation.

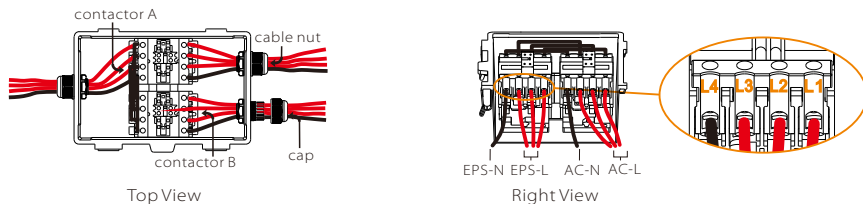
### 5.3 Load-Wires Connection

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



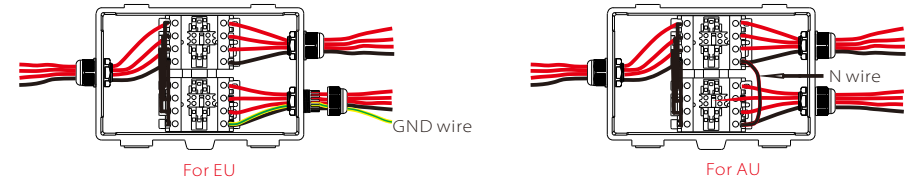
### 5.4 EPS-Wires Connection

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.



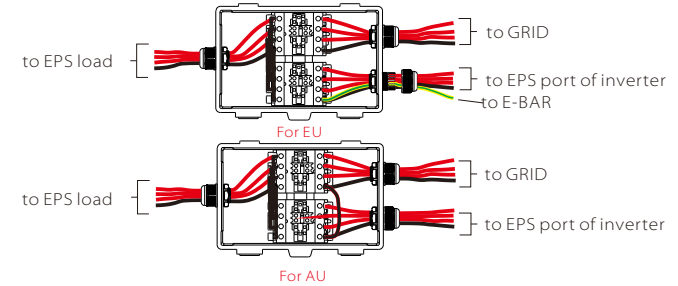
### 5.5 Earth-Wire Connection

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

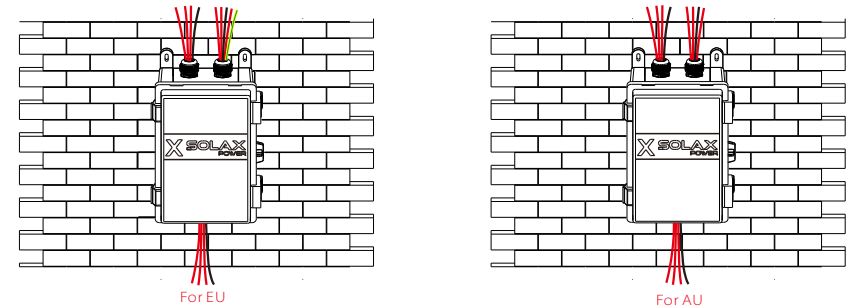


### 5.6 Checking

Please make sure all wires are tightened. Wire connection in Three-phase EPS-Box.



### Overview of Three-phase EPS Box



## 6. 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)	300x220x170
		Weight (kg)	4.85



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