



# SolaX Power X3 Three-Phase EPS Box Installation Guide

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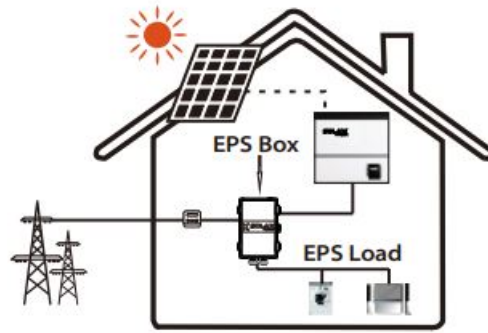
## Quick Installation Guide Three-Phase EPS Box



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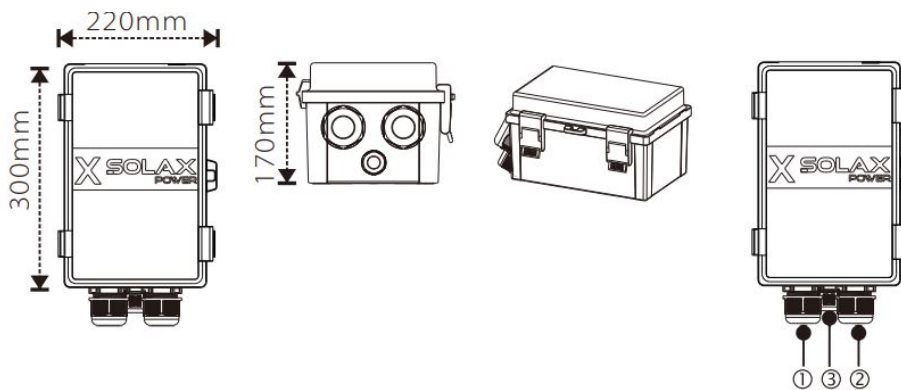
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## 1. Introduction



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

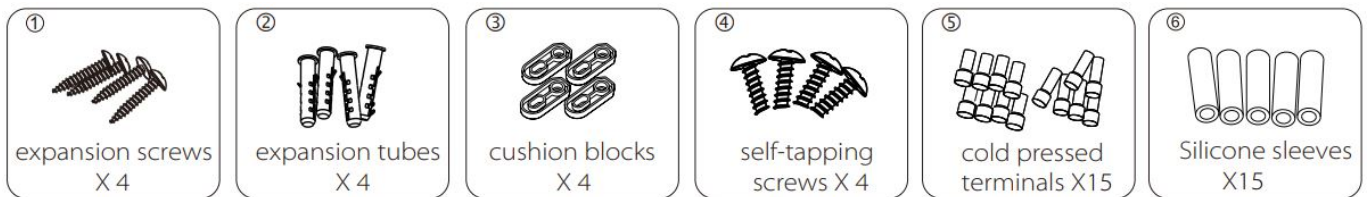


Object	Description
1	EPS
2	Grid
3	Load

## 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.



Diagonal plier



Philips screwdriver



Φ6 driller



Crimping plier



Marker pen



Slotted screwdriver



Manual wrench

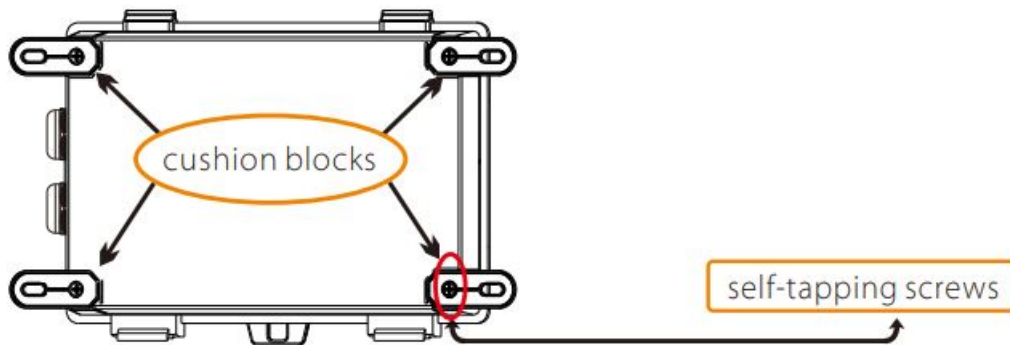


Rubber hammer

#### 4. Mounting

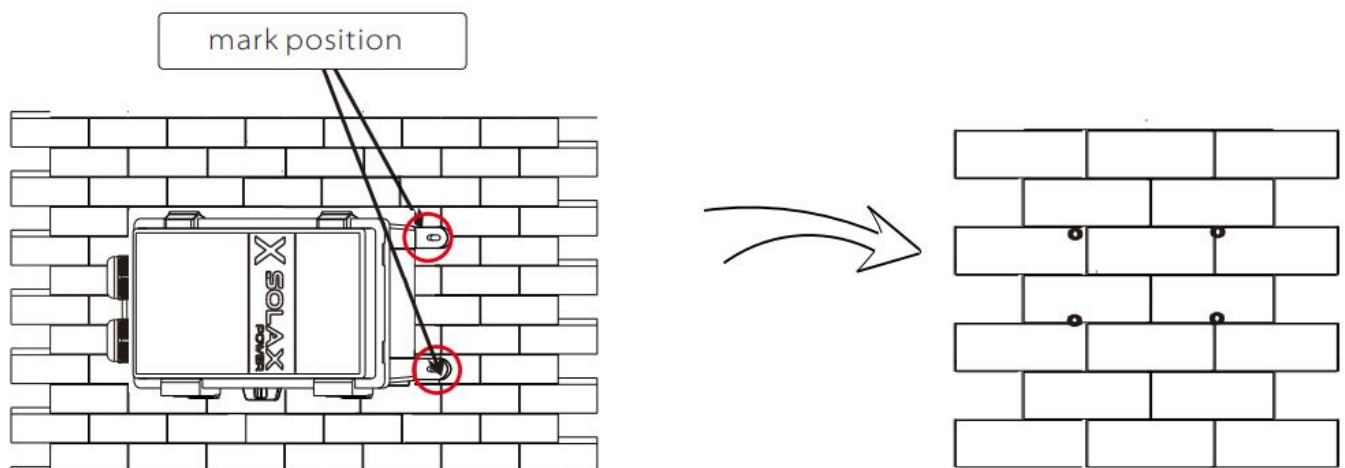
##### Step 1:

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.



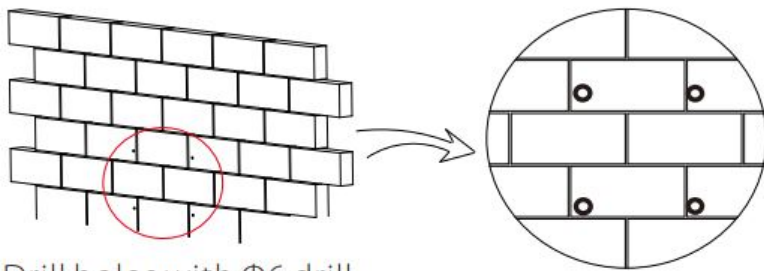
##### Step 2:

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

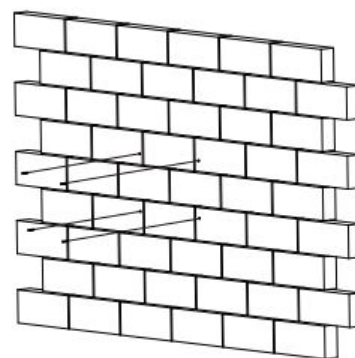


##### Step 3:

Drill holes with 6 driller carefully, make sure the holes are deep enough for installing. Install the expansion tubes through cushion blocks into the holes and tighten them.



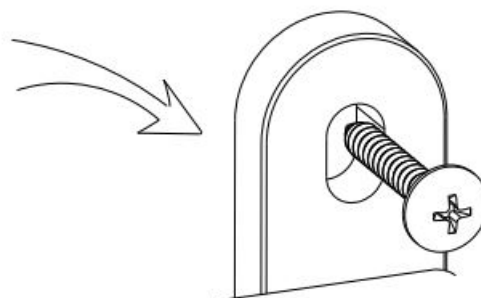
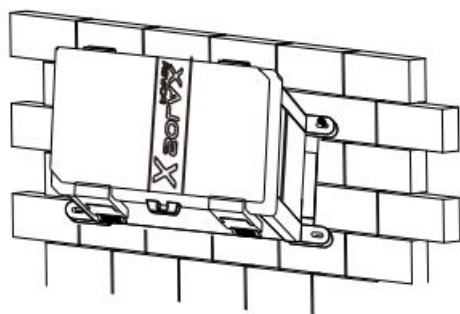
- Drill holes with  $\Phi 6$  drill
- Depth : at least 50mm



-Tighten the expansion tubes

Step 4:

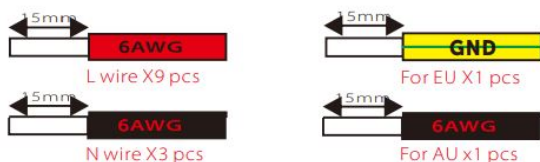
Install the expansion screws with screwdriver to fix the Three-phase EPS Box.



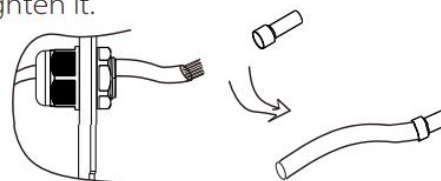
## 5. Wiring Connection

### 5.1 Wires making

① Prepare wires as below. Use the diagonal plier to trip 15mm of insulation from side of the wire.



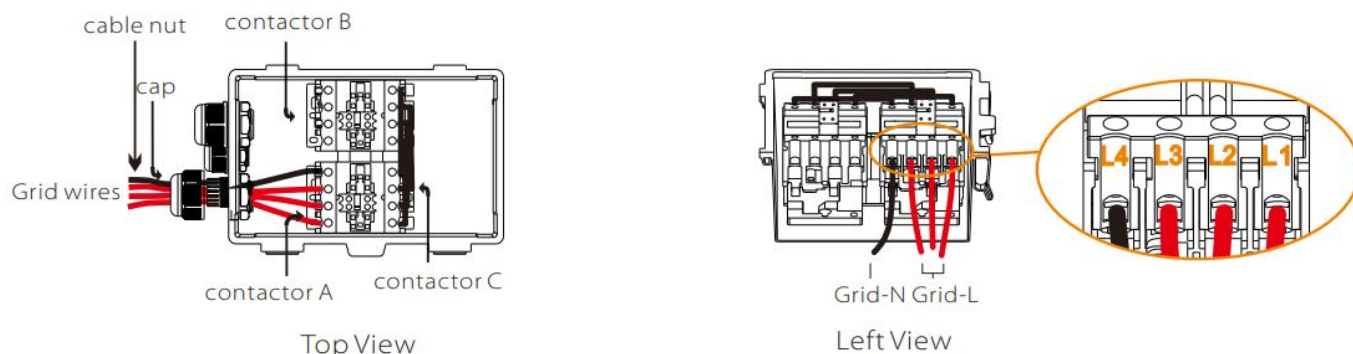
② Insert wire into cable gland, then insert the end of wire into cold pressed terminal and tighten it.



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

### 5.2 Grid-Wires Connection

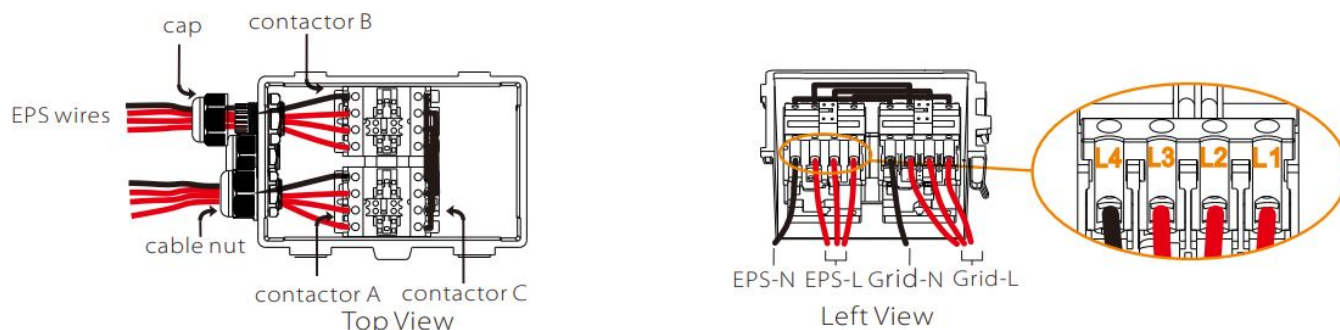
Use the manual wrench to screw off the cap on cable nut, then insert Grid-L wires and Grid-N wires into the ports (L1,L2,L3,L4) of contactor A through the cable nut and tighten them with screwdriver.



Please prevent other wires from getting loose during operation.

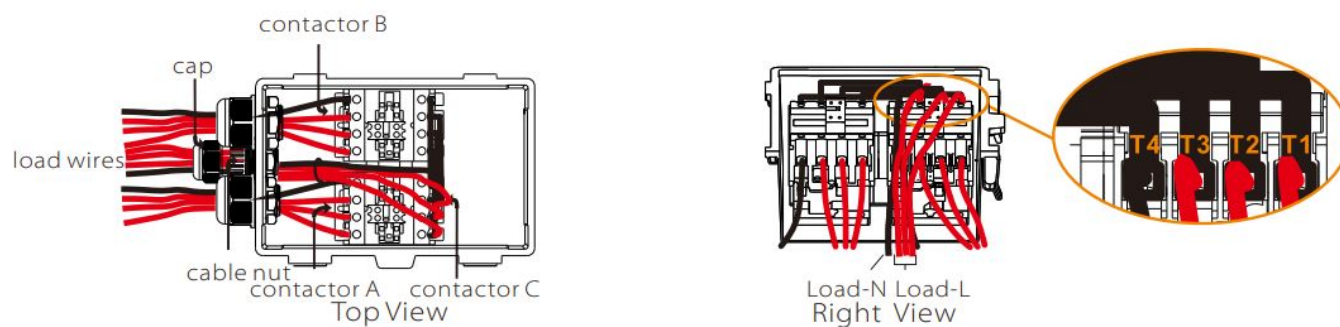
### 5.3 EPS-Wires Connection

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.



### 5.4 Load-Wires Connection

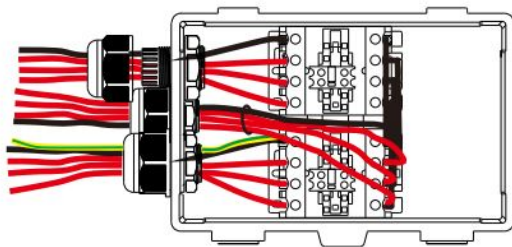
Screw off the cap on cable nut, then insert Load-L wires and Load-N wires into ports ( T1, T2, T3, T4) of contactor C through the cable nut and tighten them with screwdriver.



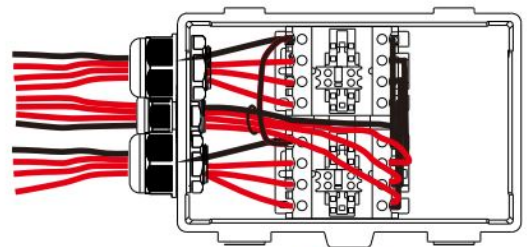
### 5.5 Earth-Wire Connection

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) .





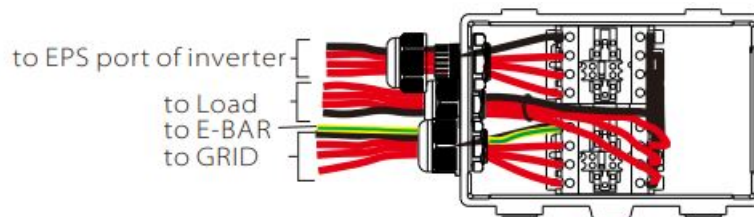
For EU



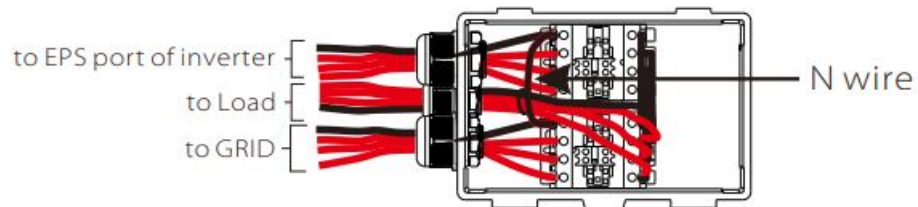
For AU

## 5.6 Checking

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

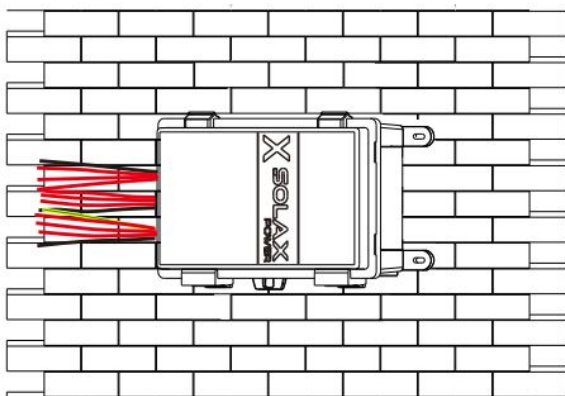


For EU

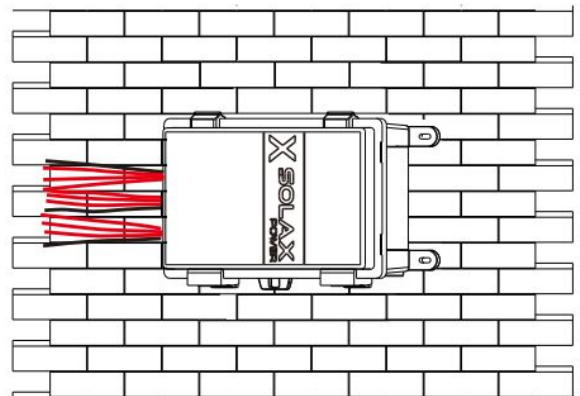


For AU

## Overview of Three-phase EPS Box



For EU



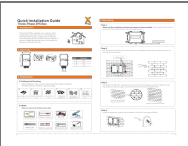
For AU

## 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 will be reduced when the operating temperature exceeds 40. At 50, the output current drops to 95% . At 60,itdropsto80%.

## Documents / Resources

	<p><a href="#">SolaX Power X3 Three-Phase EPS Box</a> [pdf] Installation Guide X3 Three-Phase EPS Box, Three-Phase EPS Box, Phase EPS Box, EPS Box, Box</p>
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## References

- [... CGI PHP ASP ...](#)