

REV.	Description	REV.	Description
0.0	首次发行 张一丹 2017/6/30		
0.0	对测试的问题进行整改 张一丹 2017/7/7		
0.0	电流降容 张一丹 2017/7/13		
1.0	修改出线侧接线和安装方向 张一丹 2018/4/4		
2.0	修改接线接线口及整体接线 焦永强 2020/10/15		
3.0	修改5.6章节错误 焦永强 2021/01/05		
4.0	修改附件包中的配件; 机器的LOAD接线调整; 大部分的机器图调整为竖立向 熊小翠 2023/01/11		
5.0	修改5.5&5.6 For EU配图中接地线位置。 更改文本为Museo字体。 郑安琪 2023/11/27		
5.0	添加5.5&5.6 For EU配图中grid口N线。 郑安琪 2023/12/05		
6.0	增加设备结构内部图 熊小翠 2024/04/11		
描述	快速安装指南 X3-EPS BOX 英文版 SolaX 06版	<b>浙江艾罗网络能源技术有限公司</b> SolaX Power Network Technology (Zhejiang) Co.,Ltd. <b>Q-OP-SC-01-02 V1.0</b>	
料号	320102001106		
单位	mm 页次		

技术要求:

- 1.材质105g铜版纸, 彩色打印, 正反打印
- 2.未注尺寸公差按  $\pm 1.5\text{mm}$
- 3.图面、字体印刷清晰、无毛边、不起边、油墨不脱落
- 4.字体颜色为PANTONE Black C, 无边框, 底色为白色
- 5.符合RoHS要求

描述	快速安装指南 X3-EPS BOX 英文版 SolaX 06版	设计	熊小翠 2024/04/11
		审核	吴忠强 2024/04/11
材料	铜版纸	核准	施鑫淼 2024/04/11
料号	320102001106		
单位	mm 页次		

浙江艾罗网络能源技术有限公司

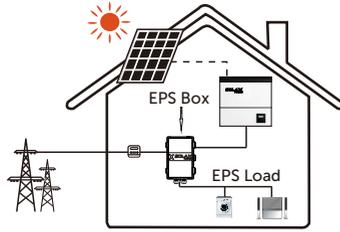
# Quick Installation Guide

## Three-Phase EPS Box

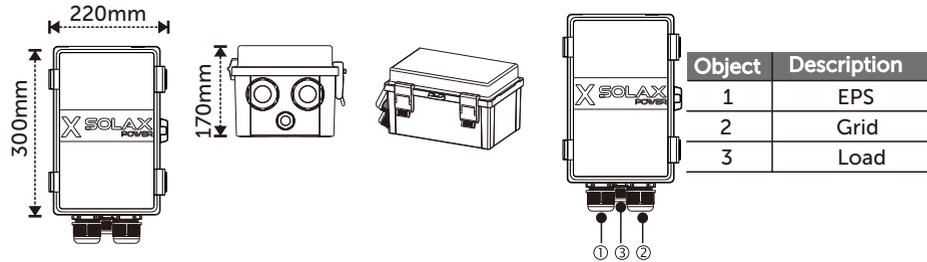


### 1. Introduction

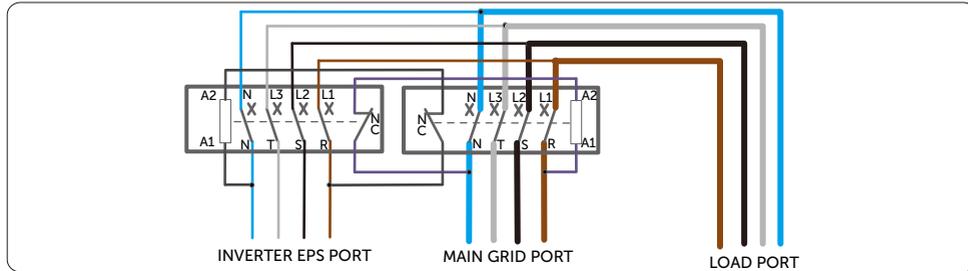
Three-phase EPS Box integrates two contactors which provide power steering for users. It is compatible with Three-phase EPS change-over application. Configured with Three-phase EPS Box, customers need to connect 13 wires to complete the steering circuit. It can simplify the operation and improve security.



### 2. Overview



### 3. Device Structure

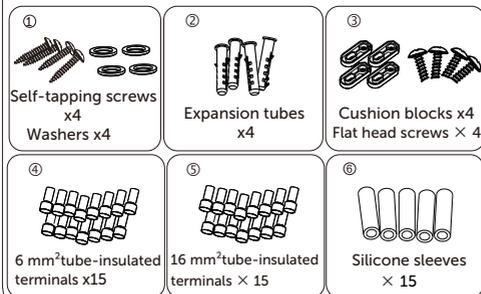


### 4. Preparation

#### 4.1 Packing List Checking

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

The following items should be inside the package.



#### 4.2 Tools

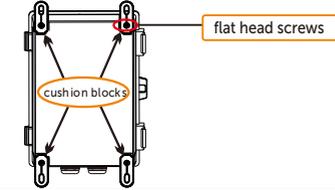
Before you start, get the following tools ready.



### 5. Mounting

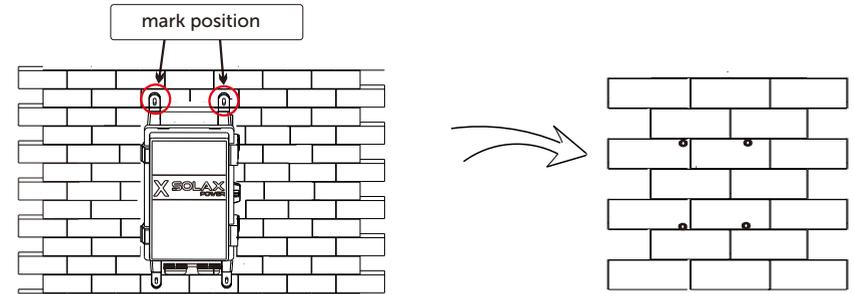
#### Step 1:

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



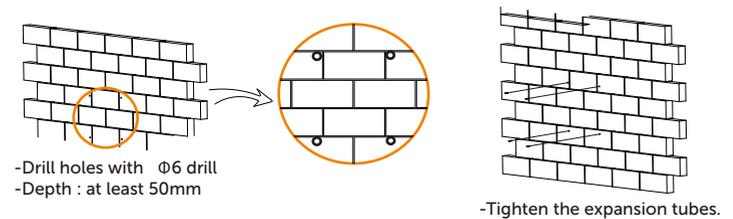
#### Step 2:

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



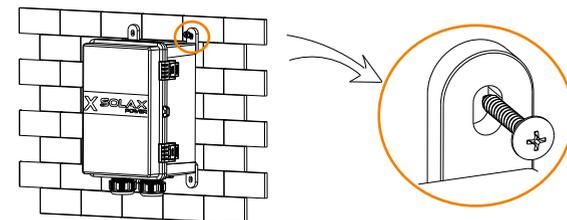
#### Step 3:

Drill holes with  $\Phi 6$  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:

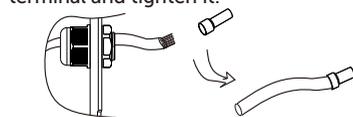
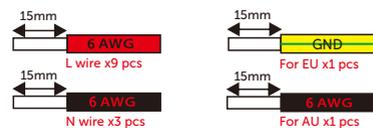
Install the expansion screws with screwdriver to fix the Three-phase EPS Box.



## 6. Wiring Connection

### 6.1 Wires making

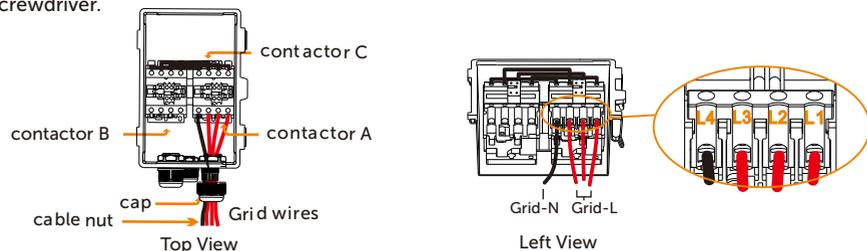
- Prepare wires as below. Use the diagonal plier to trip 15mm of insulation from side of the wire.
- Insert wire into cable gland, then insert the end of wire into cold pressed terminal and tighten it.



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

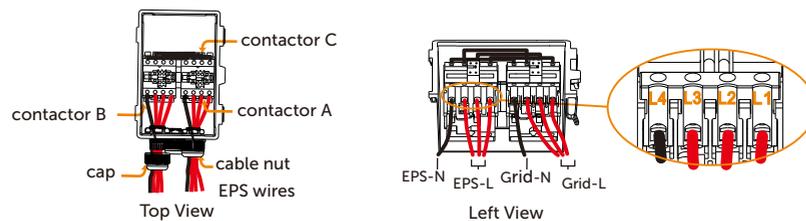
Use the manual wrench to screw off the cap on cable nut, then insert Grid-L wires and Grid-N wires into the ports (L1,L2,L3,L4) of contactor A through the cable nut and tighten them with screwdriver.



Please prevent other wires from getting loose during operation.

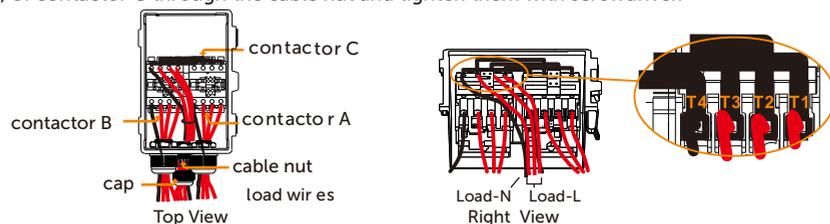
### 6.3 EPS-Wires Connection

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.



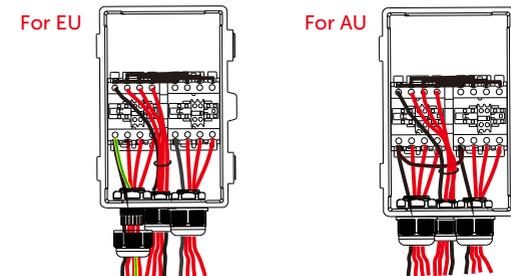
### 6.4 Load-Wires Connection

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.



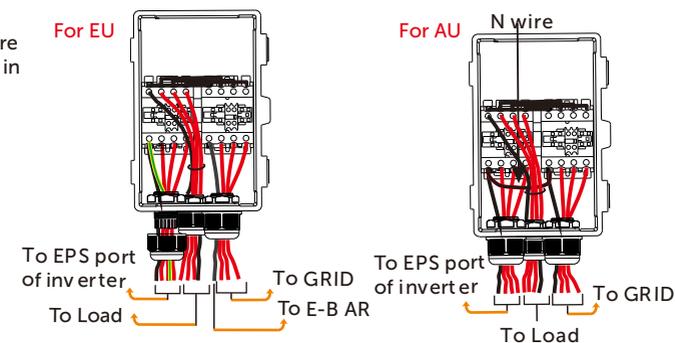
### 6.5 Earth-Wire Connection

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).

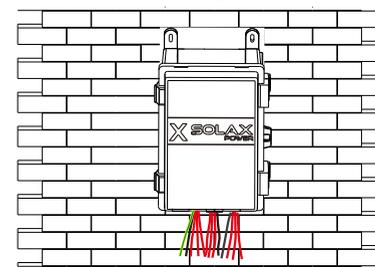


### 6.6 Checking

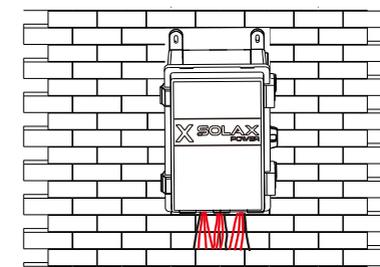
Please make sure all wires are tightened. Wire connection in Three-phase EPS-Box.



### Overview of Three-phase 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%.