

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			浙江艾罗网络能源技术有限公司 SolaX Power Network Technology (Zhejiang) Co.,Ltd. Q-OP-SC-01-02 V1.0			
料号	320102001106						
单位	mm	页次					

技术要求：

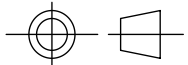
1.材质105g铜版纸，彩色打印，正反打印

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
材料	铜版纸		审核	吴忠强	2024/04/11
料号	320102001106		核准	施鑫淼	2024/04/11
单位	mm	页次			浙江艾罗网络能源技术有限公司

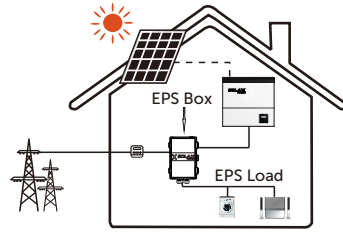
Quick Installation Guide

Three-Phase EPS Box

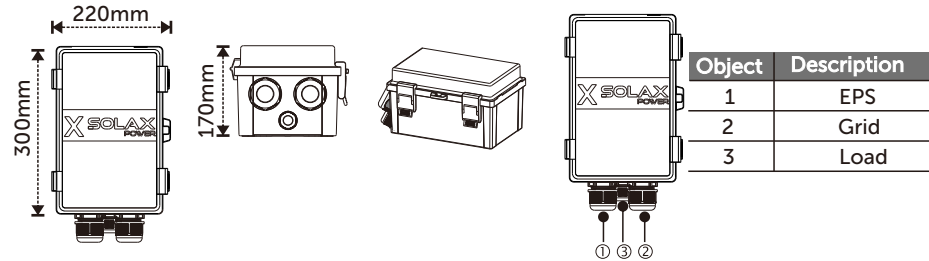


1. Introduction

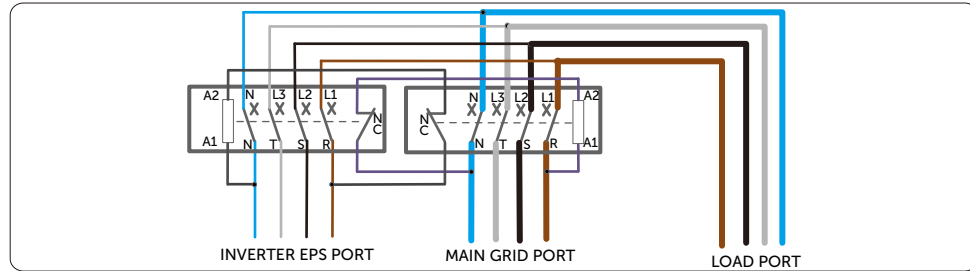
Three-phase EPS Box integrates two contactors which provide power steering for users. It is compatible with Three-phase EPS change-over application. Configured with Three-phase EPS Box, customers need to connect 13 wires to complete the steering circuit. It can simplify the operation and improve security.



2. Overview



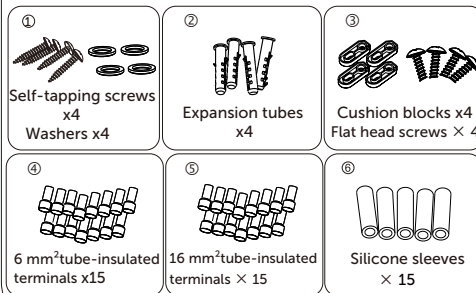
3. Device Structure



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

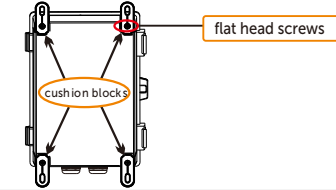
Before you start, get the following tools ready.



5. Mounting

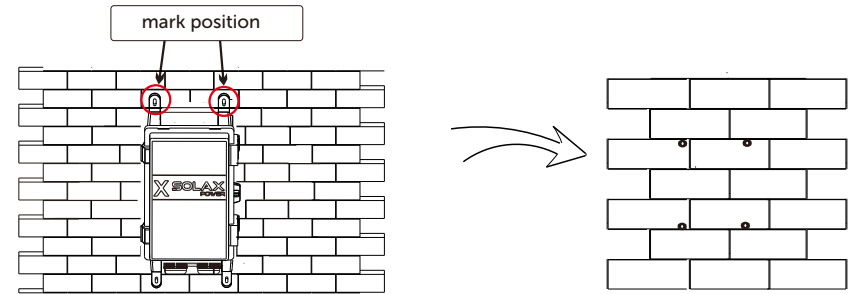
Step 1:

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.



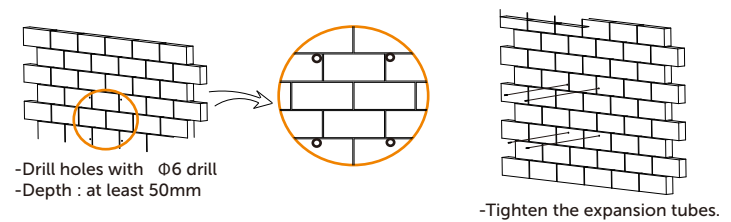
Step 2:

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



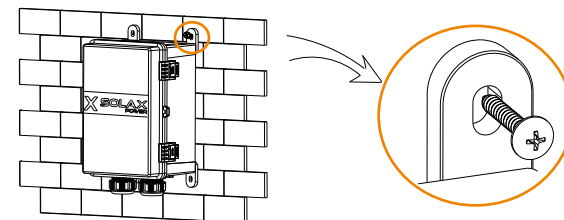
Step 3:

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:

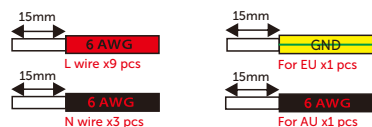
Install the expansion screws with screwdriver to fix the Three-phase EPS Box.



6. Wiring Connection

6.1 Wires making

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



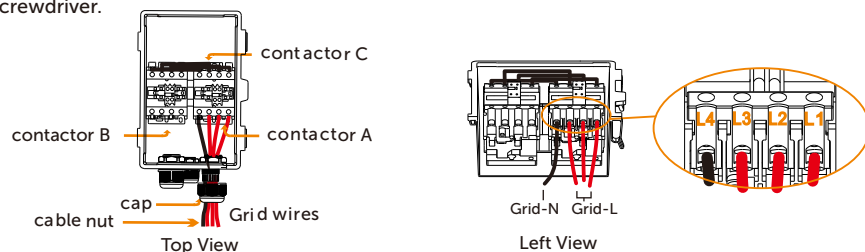
② Insert wire into cable gland, then insert the end of wire into cold pressed terminal and tighten it.



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

6.2 Grid-Wires Connection

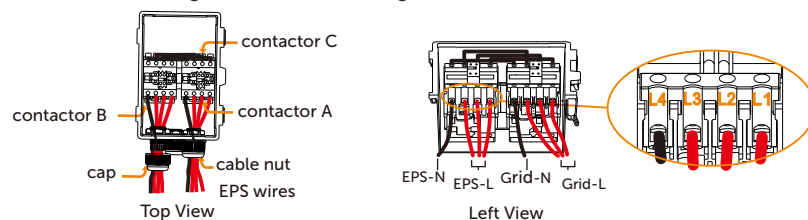
Use the manual wrench to screw off the cap on cable nut, then insert Grid-L wires and Grid-N wires into the ports (L1,L2,L3,L4) of contactor A through the cable nut and tighten them with screwdriver.



Please prevent other wires from getting loose during operation.

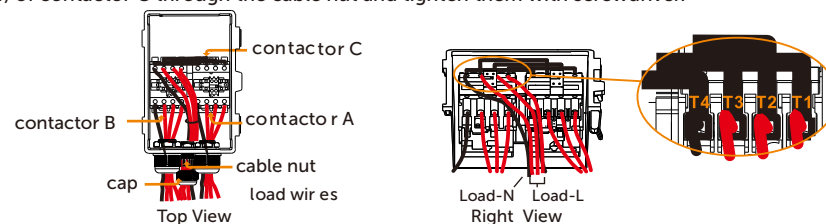
6.3 EPS-Wires Connection

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

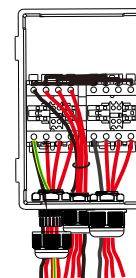
Screw off the cap on cable nut, then insert Load-L wires and Load-N wires into ports (T1, T2, T3, T4) of contactor C through the cable nut and tighten them with screwdriver.



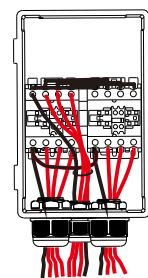
6.5 Earth-Wire Connection

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) .

For EU



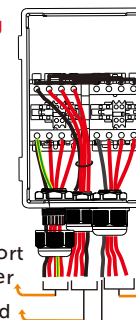
For AU



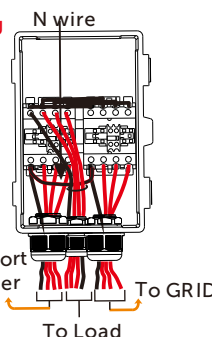
6.6 Checking

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

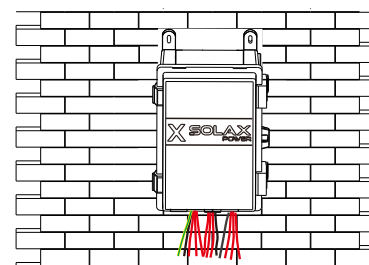
For EU



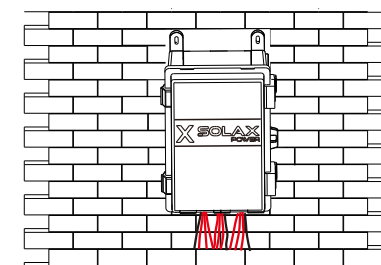
For AU



Overview of Three-phase EPS Box



For EU



For AU

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%.