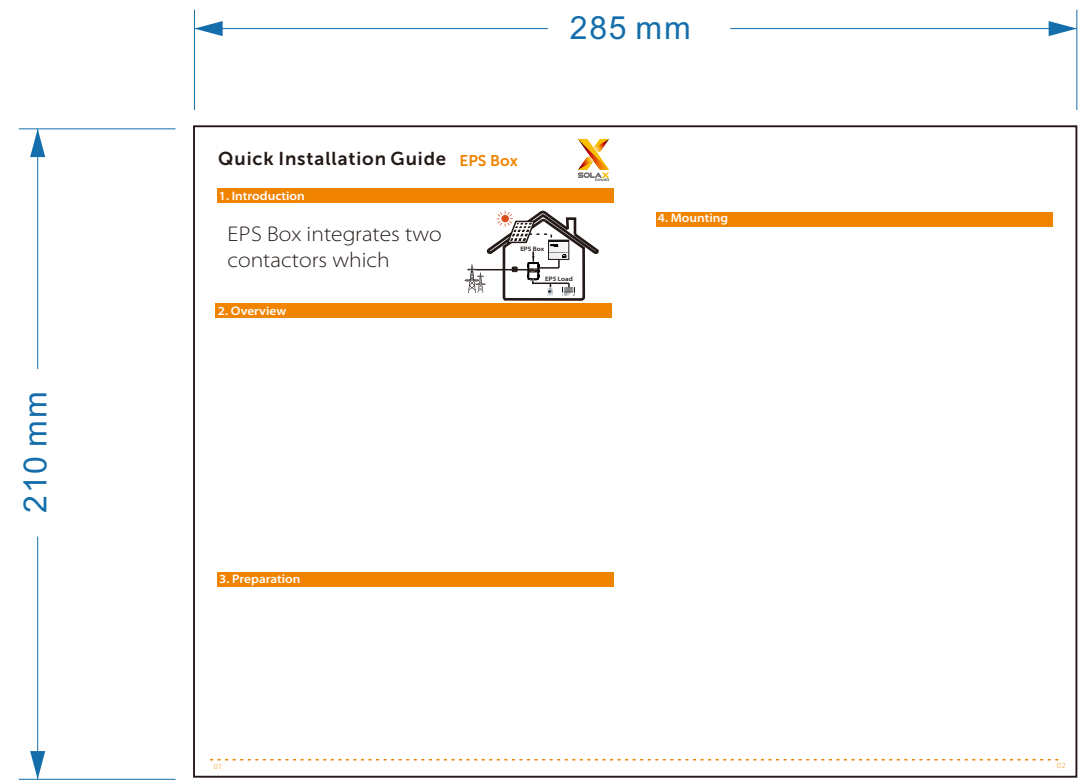


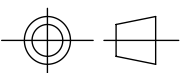
REV.	Description	REV.	Description
0.0	首次发行 朱梦莹 2015/11/2		
1.0	增加地线和N线连接方式 罗西 2016/5/11		
2.0	更改EPS最大输入输出电流为32A 郑雅丽 2020/6/11		
3.0	更改盒子接线柱及内部接线方式 焦永强 2020/10/14		
4.0	更改运行温度-10~50为-20~60 增加电气拓扑图 夏雨诗 2024/03/15		
描述	快速安装指南 X1-EPS BOX 英文版 SolaX 04版		
料号	320102000204	浙江艾罗网络能源技术有限公司 SolaX Power Network Technology (Zhejiang) Co., Ltd.	
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 +- 1.5mm
- 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 X1-EPS BOX 英文版 SolaX 04版	设计	夏雨诗 2024/03/15
		审核	韩标 2024/03/15
材料	铜版纸	核准	施鑫淼 2020/03/15
料号	320102000204	浙江艾罗网络能源技术有限公司	
单位	mm 页次		

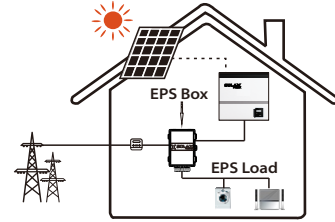


Quick Installation Guide **EPS Box**

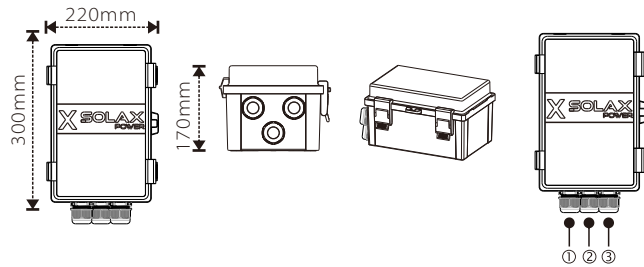


1. Introduction

EPS Box integrates two contactors which provides simple connection for users. It is compatible with X-hybrid E Series inverter. Configured with EPS Box, customers just need to connect 6 wires between inverter and EPS Box. It can simplify the operation and improve security.

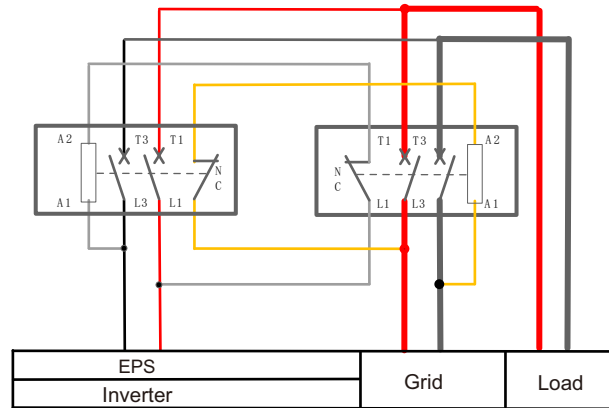


2. Overview



Object	Description
1	EPS
2	Load
3	Grid

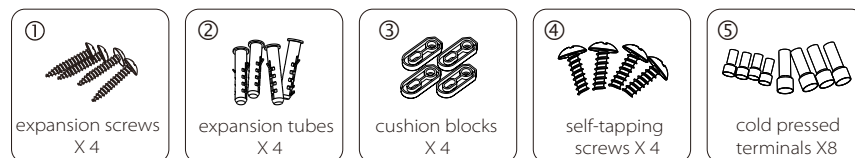
Electrical schematic diagram



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

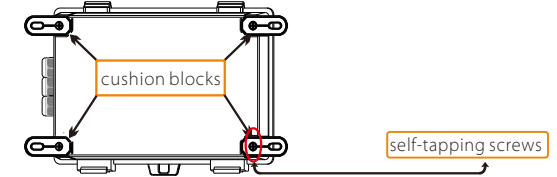
Before you start, get the following tools ready.



4. Mounting

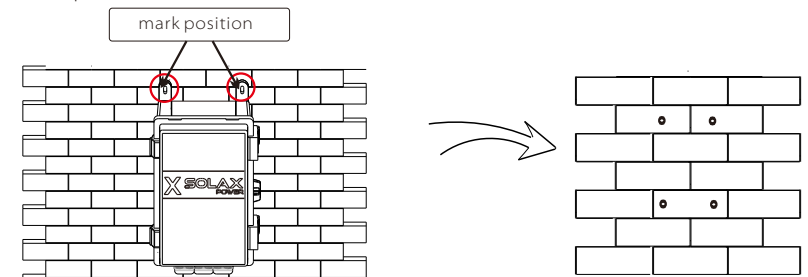
Step 1:

Install the four cushion blocks on EPS Box with self-tapping screws.



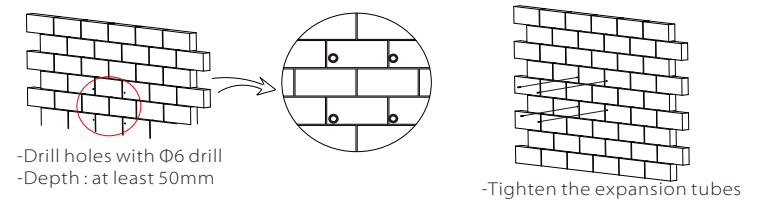
Step 2:

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



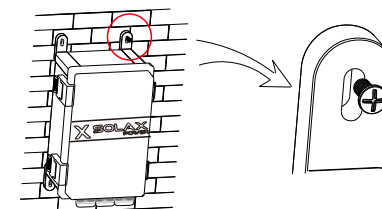
Step 3:

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 EPS Box.



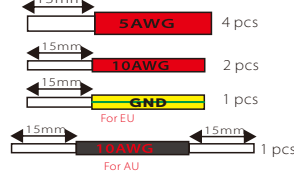
5. Wiring Connection

5.1 Wires making

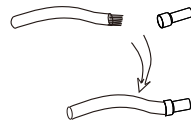
① Wires below are needed before installation.



② Use the diagonal plier to trip 15mm of insulation from side of the wire as below.

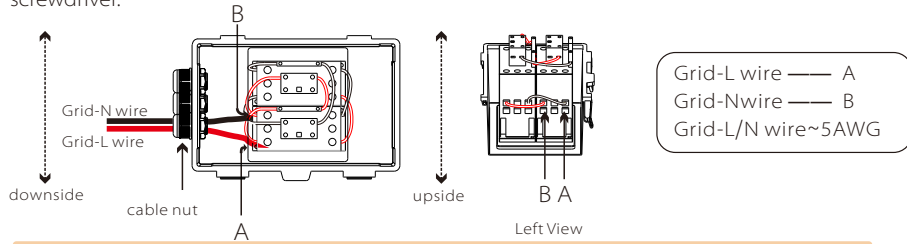


③ Insert this end of wire into cold pressed terminal and tighten it.



5.2 Grid-Wires Connection

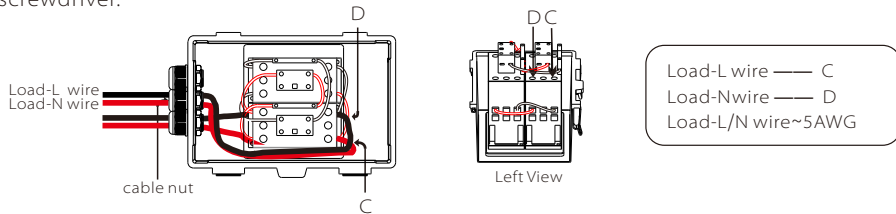
Use the manual wrench to screw off the cap on cable nut, and then insert Grid-L wire and GRID-N wire into the ports of contactor (A&B) through the cable nut and tighten them with screwdriver.



Please prevent other wires from getting loose during operation.

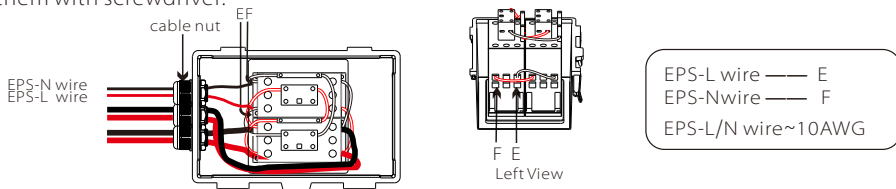
5.3 Load-Wires Connection

Use the manual wrench to screw off the cap on cable nut, and then insert Load-L wire and Load-N wire into ports of contactor (C&D) through the cable nut and tighten them with screwdriver.



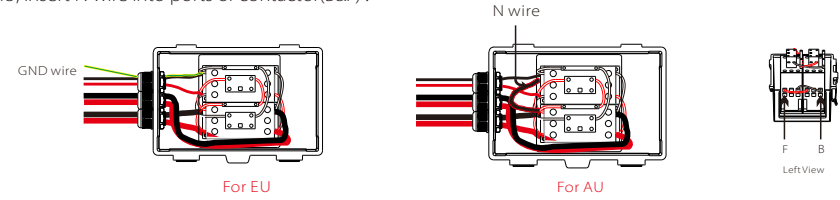
5.4 EPS-Wires Connection

Use the manual wrench to screw off the cap on cable nut, and then insert EPS-L wire, EPS-N wire and GND-wire into ports of contactor (E&F) through the cable nut and tighten them with screwdriver.



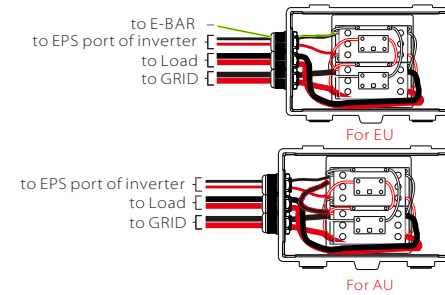
5.5 Wires Connection

Use the manual wrench to screw off the cap on cable nut
In EU, insert GND-wire into port of contactor (F) through the cable nut and tighten it with screwdriver.
In AU, insert N wire into ports of contactor(B&F).

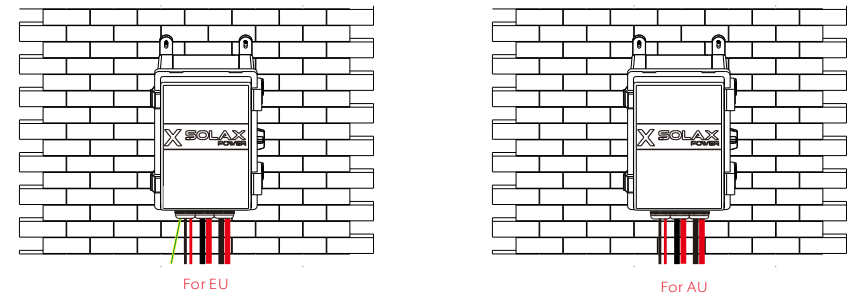


5.6 Checking

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



Overview of EPS Box



6. Technical Parameters

Grid		Load	
Max.AC input current (A)	63	Rated output current(A),on grid mode	63
Rated AC voltage (V)	230	Rated output current(A),EPS mode	32
Rated AC frequency (Hz)	50 / 60	Rated Grid Voltage(V)	230
EPS		Rated Grid Frequency(Hz)	50/60
Max.EPS input current (A)	32	General Data	
Rated EPS voltage (V)	230	Operating Temperature range (°C)	-20~+60
Rated EPS frequency (Hz)	50 / 60	Dimension (mm)	300*220*170
		Weight (kg)	3.5