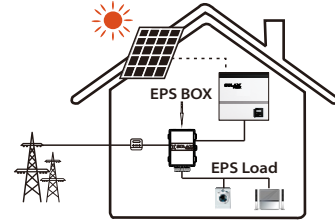


# Quick Installation Guide X1-EPS BOX

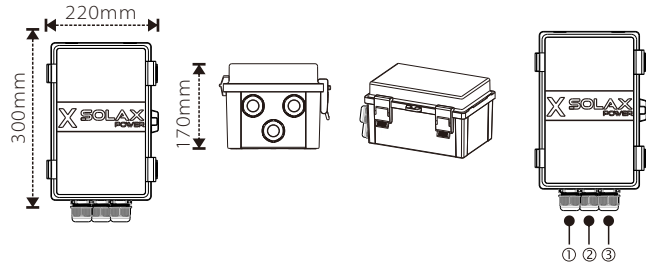


## 1. Introduction

X1-EPS BOX integrates two contactors which provides simple connection for users. It is compatible with X1-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.

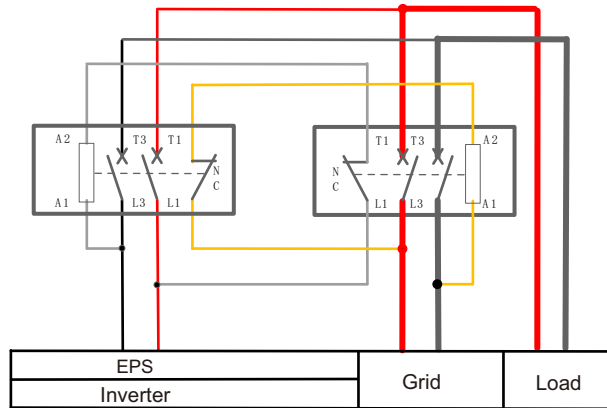


## 2. Overview



Object	Description
1	EPS
2	Load
3	Grid

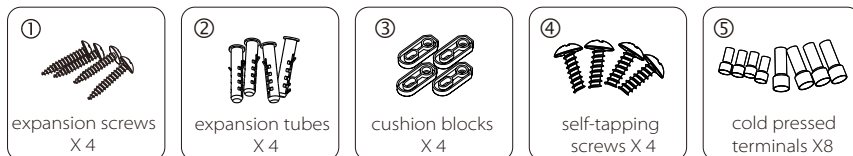
Electrical schematic diagram



## 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

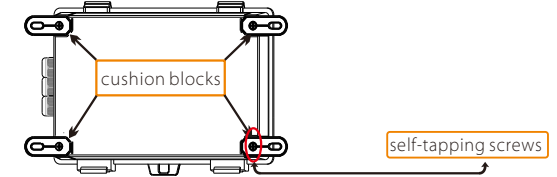
Before you start, get the following tools ready.



## 4. Mounting

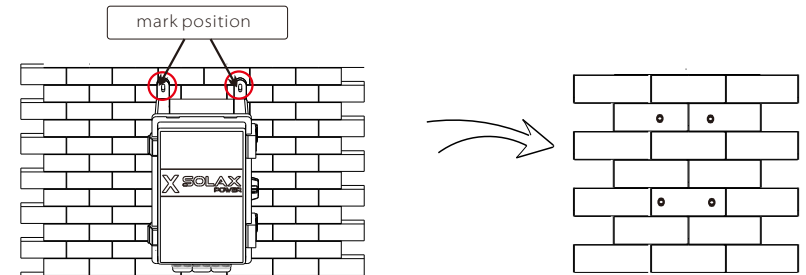
### Step 1:

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



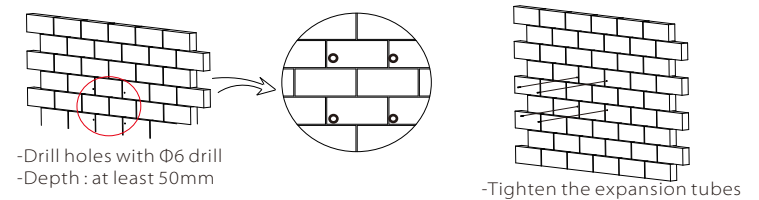
### Step 2:

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



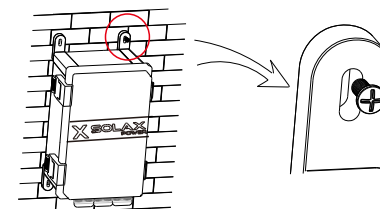
### Step 3:

Drill holes with Φ6 drill 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.



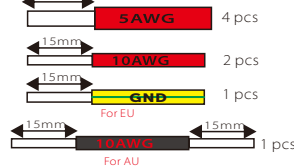
## 5. Wiring Connection

### 5.1 Wires making

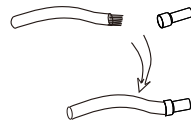
① Wires below are needed before installation.



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

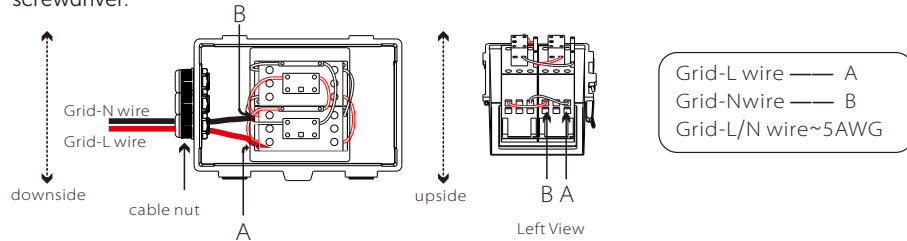


③ Insert this end of wire into cold pressed terminal and tighten it.



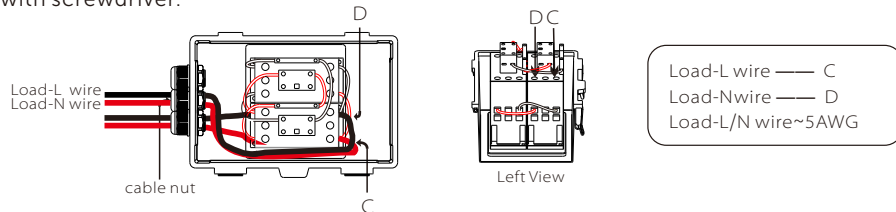
### 5.2 Grid-Wires Connection

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.



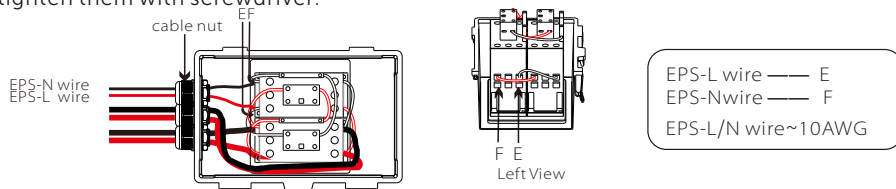
### 5.3 Load-Wires Connection

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

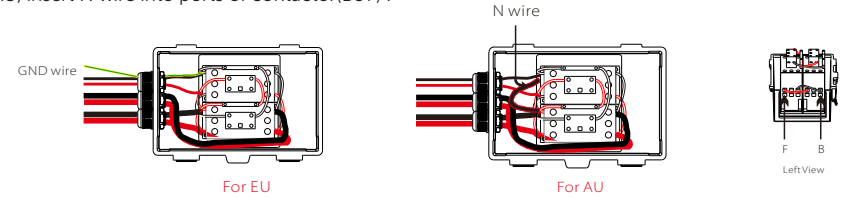
Use the manual wrench to screw off the cap on cable nut, and then insert EPS-L wire, EPS-N wire and GND-wire into ports of contactor (E&F) through the cable nut and tighten them with screwdriver.



### 5.5 Wires Connection

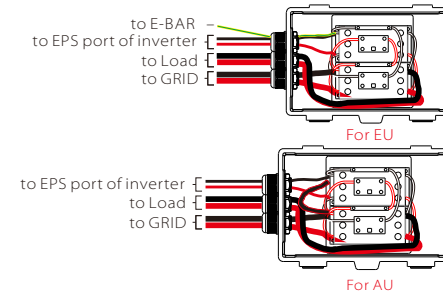
Use the manual wrench to screw off the cap on cable nut

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).

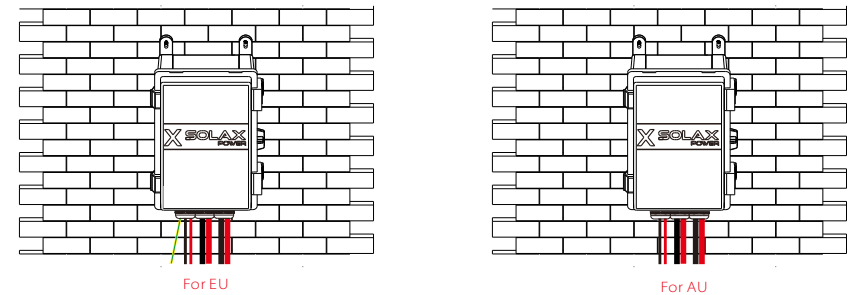


### 5.6 Checking

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