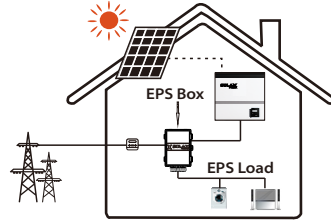


Quick Installation Guide **EPS Box**

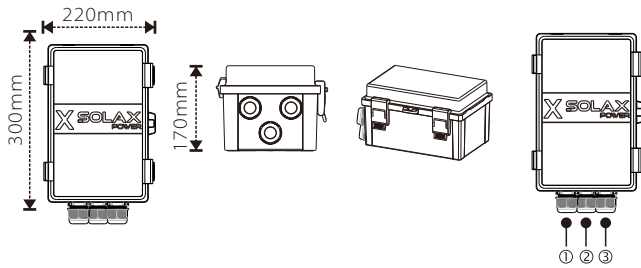


1. Introduction

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

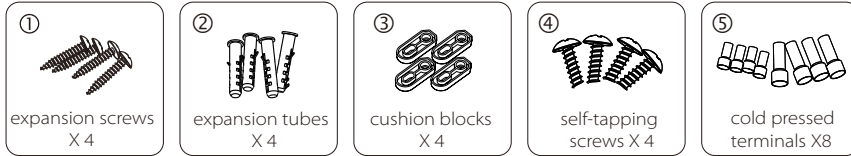


Object	Description
1	EPS
2	Load
3	Grid

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

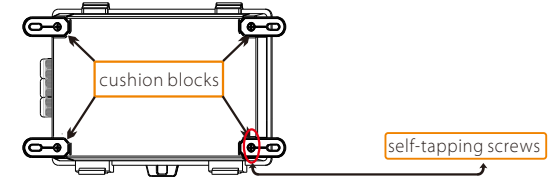
Before you start, get the following tools ready.



4. Mounting

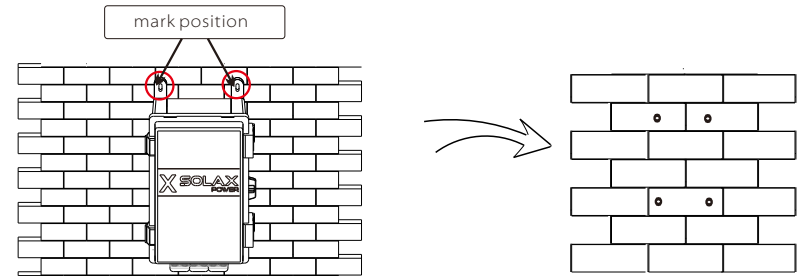
Step 1:

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



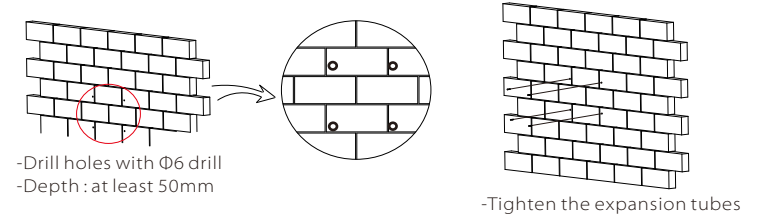
Step 2:

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



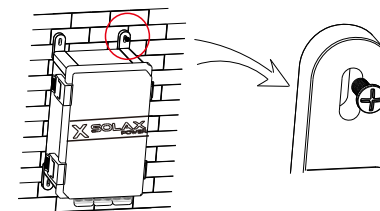
Step 3:

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



Step 4:

Install the expansion screws with screwdriver to fix the EPS Box.



5. Wiring Connection

5.1 Wires making

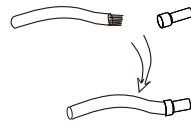
① Wires below are needed before installation.



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

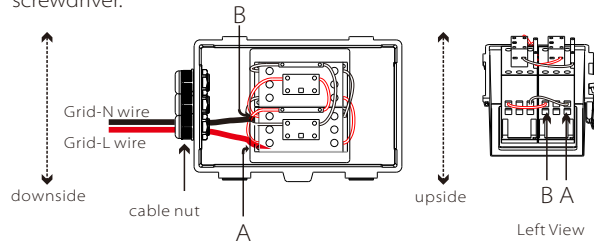


③ Insert this end of wire into cold pressed terminal and tighten it.



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.



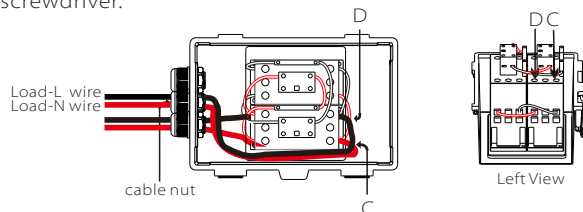
Grid-L wire — A
Grid-N wire — B
Grid-L/N wire~5AWG



Please prevent other wires from getting loose during operation.

5.3 Load-Wires Connection

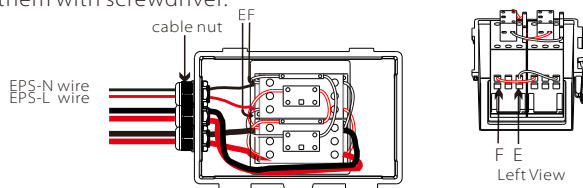
Use the manual wrench to screw off the cap on cable nut, and then insert Load-L wire and Load-N wire into ports of contactor (C&D) through the cable nut and tighten them with screwdriver.



Load-L wire — C
Load-N wire — D
Load-L/N wire~5AWG

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.



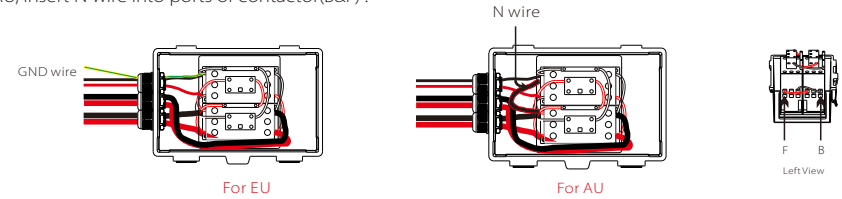
EPS-L wire — E
EPS-N wire — F
EPS-L/N wire~10AWG

5.5 Wires Connection

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

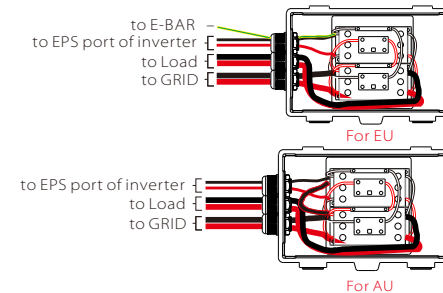
In EU, insert GND-wire into port of contactor (F) through the cable nut and tighten it with screwdriver.

In AU, insert N wire into ports of contactor(B&F).

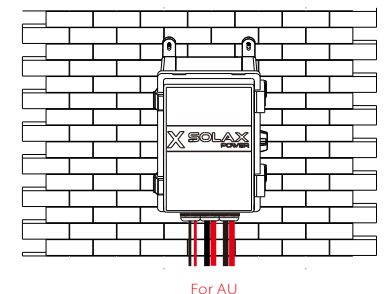
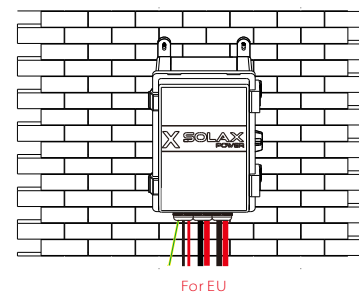


5.6 Checking

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



Overview of EPS Box



6. Technical Parameters

Grid	
Max.AC input current (A)	63
Rated AC voltage (V)	230
Rated AC frequency (Hz)	50 / 60
EPS	
Max.EPS input current (A)	32
Rated EPS voltage (V)	230
Rated EPS frequency (Hz)	50 / 60

Load	
Rated output current(A),on grid mode	63
Rated output current(A),EPS mode	32
Rated Grid Voltage(V)	230
Rated Grid Frequency(Hz)	50/60
General Data	
Operating Temperature range (°C)	-10~+50
Dimension (mm)	300*220*170
Weight (kg)	3.5