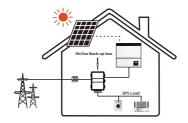


# Quick Installation Guide IN.One Back-up box

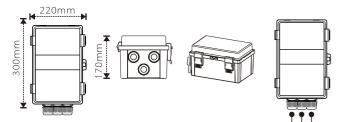


## 1. Introduction

IN.One Back-up box integrates two contactors which provides simple connection for users. It is compatible with IN.Hybrid-One Series inverter. Configured with IN.One Back-up box, customers just need to connect 6 wires between inverter and IN.One Back-up box. It can simplify the operation and improve security.



## 2. Overview



Object	Description
1	EPS
2	Load
3	Grid

# 3. Preparation

## 3.1Packing List Checking

Before installation, make sure that nothing inside the package is damaged. The following items should be inside the package.







X 4

blocks self-tapping

screws X 4

© cold pressed

cold pressed terminals X8

#### 3.2 Tools

Before you start, get the following tools ready.









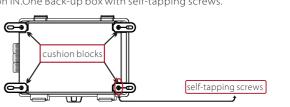




## 4. Mounting

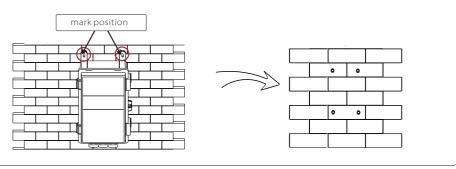
## Step 1:

Install the four cushion blocks on IN.One Back-up box with self-tapping screws.



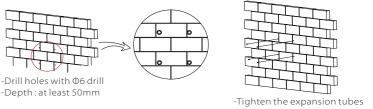
#### Step 2:

Use IN.One Back-up box with cushion blocks as a template to mark the four holes' position on the wall with marker pen.



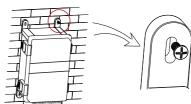
#### Step 3:

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 IN.One Back-up box.

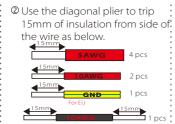


# 5. Wiring Connection

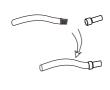
## 5.1 Wires making

① Wires below are needed before installation.



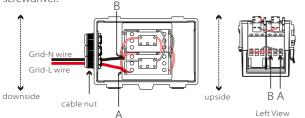


Insert this end of wire into cold pressed terminal and tighten it.



#### 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.



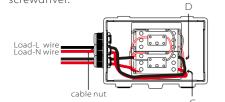
Grid-L wire — A
Grid-Nwire — B
Grid-L/N wire~5AWG



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.

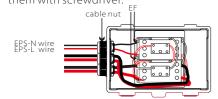




Load-L wire —— C Load-Nwire —— D Load-L/N wire~5AWG

#### 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.

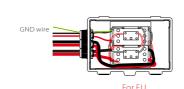


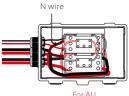


EPS-L wire —— E EPS-Nwire —— F EPS-L/N wire~10AWG

#### 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).

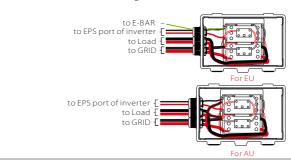


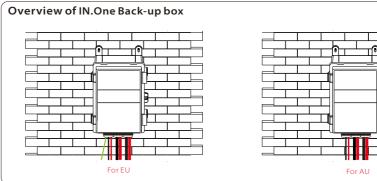




## 5.6 Checking

Please make sure all wires are tightened. Wire connection in IN. One Back-up 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		
Genaral Data			
Operating Temperature range ( $^{\circ}$ C)	-10~+50		
Dimension (mm)	300*220*170		
Weight (kg)	3.5		

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