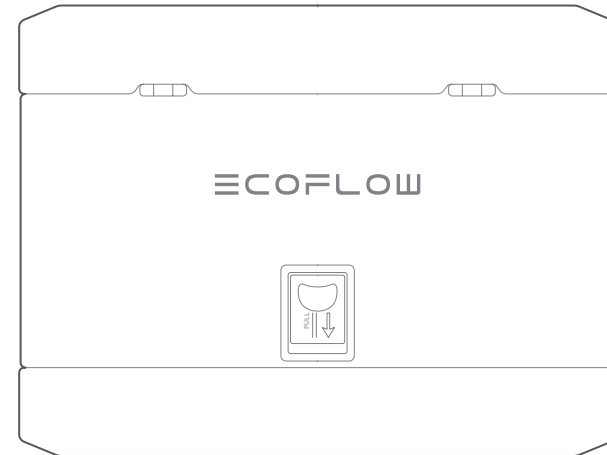




## EcoFlow AFCI Box

User Manual V1.0



EFD500BC-AB

### Disclaimer

Please read this User Manual and ensure you understand it fully before using the product. Please keep this User Manual safe for future reference. Any incorrect usage may result in severe injury to the user or others, damage to the product, or loss of property. By using this product, the user will be deemed as having understood, recognized, and accepted all the terms and contents of the User Manual, and will be responsible for any incorrect usage and all consequences arising therefrom. EcoFlow hereby disclaims any liability for any losses due to the user's failure to use the product in accordance with the User Manual.

In compliance with laws and regulations, EcoFlow shall have the final right to interpret this document and all related documents for this product. Any update, revision, or termination of the contents thereof, if necessary, shall be made without prior notice, and users may visit the official website of EcoFlow for the latest information on the product.

### Introduction

#### EcoFlow AFCI/GFCI Box

The EcoFlow AFCI/GFCI Box is used for A/GFCI breakers. Each circuit is independent of each other. Compatible breaker models include Siemens QA120AFCP, Schneider QO120CAFI QO, and so forth. The product needs to be installed indoors and used in conjunction with EcoFlow SHP (smart home panel) to solve issues regarding the reuse of replaced A/GFCI breakers of the main electrical panel.

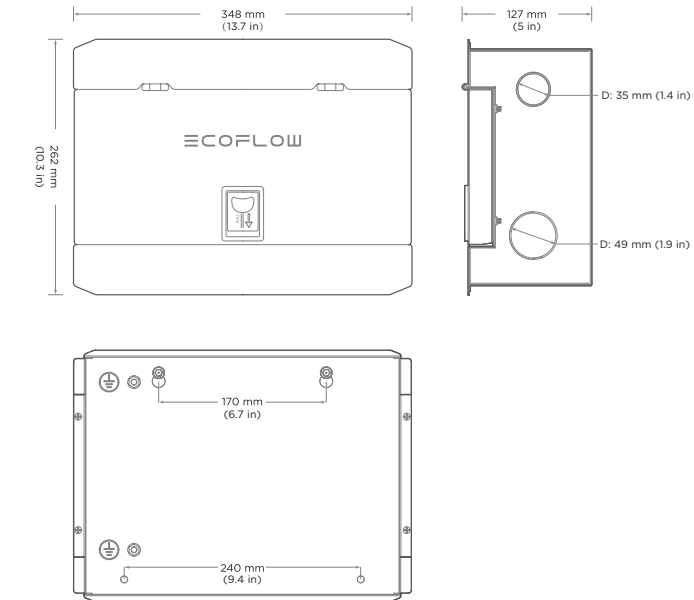


**Some breakers cannot be installed onto the product. Please make sure to check whether the replaced breakers are installable before use.**

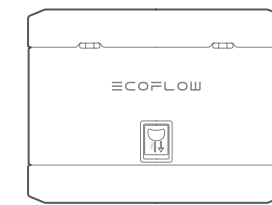
#### Product specifications

Product name	EcoFlow AFCI/GFCI Box
Model	EFD500BC-AB
Rated voltage	120/240V
Rated current	10~160A
Rated frequency	60Hz
Number of circuits	10
Working temperature	-20°C~-45°C/-4°F-113°F
Working humidity	5%~85%
Enclosure	Type I
Dimensions (W*D*H)	348*262*127 mm/13.7*10.3*5 (in)
Mounting type	Wall Mount
Environment	Indoor rated

### Product Dimension



### What's in the Box



EcoFlow AFCI/GFCI Box

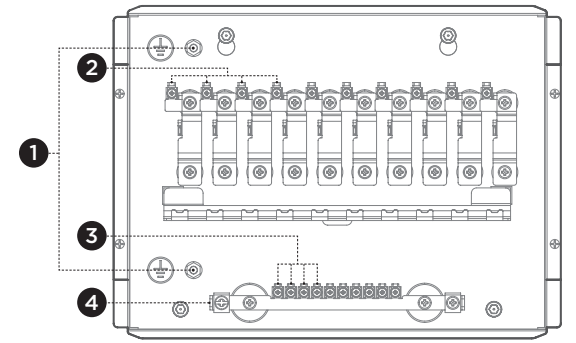


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OT 6-6

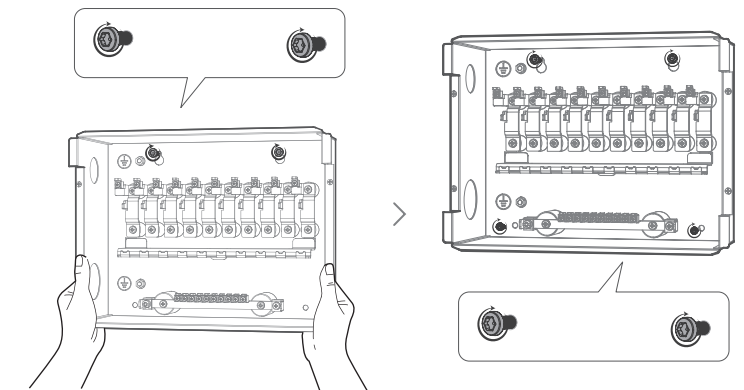
### Product Overview



- 1. Ground terminal
- 2. Hot terminal
- 3. Neutral terminal
- 4. Neutral terminal (input)

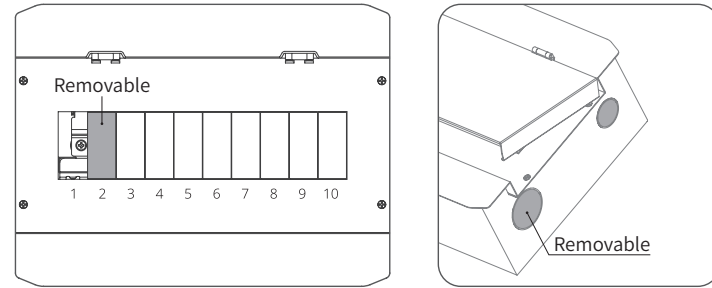
### Product Installation

- 1 First, put two screws into the wall (about half the way in). Hang the product onto the screws, and then use two more screws to secure the product.

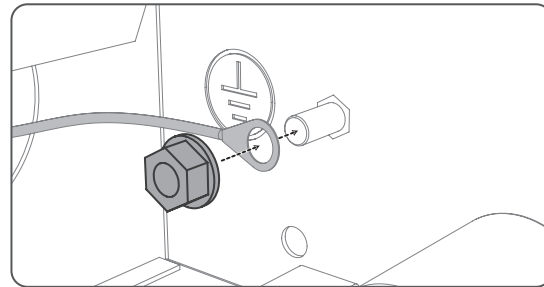


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2 Remove the knockouts when you need to.

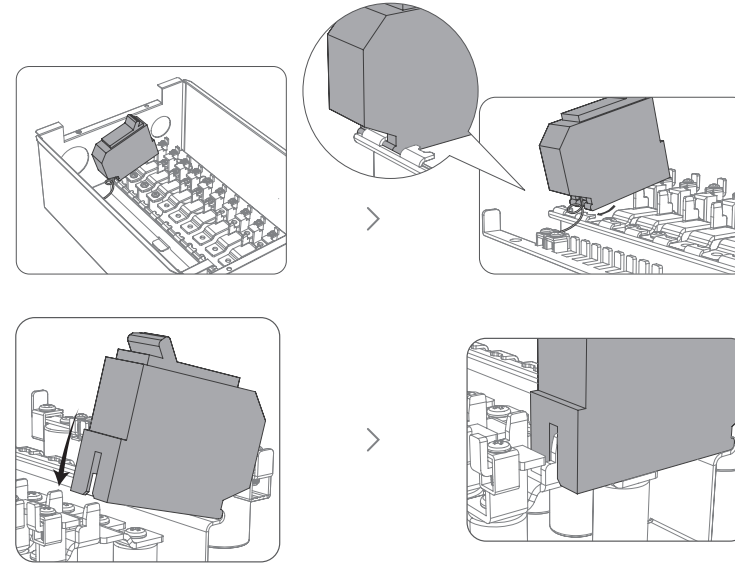


3 Crimp the OT terminal onto the ground wire with a crimping tool, and then connect the ground wire to the ground terminal of the box.

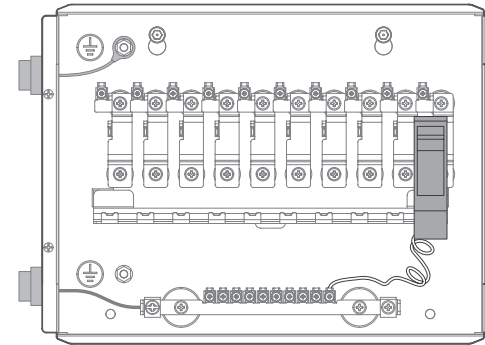


**!** We recommend that you use PE wires of 10 AWG.

4 Insert the breakers into the snap-in bracket and connect them to the neutral wire terminals.

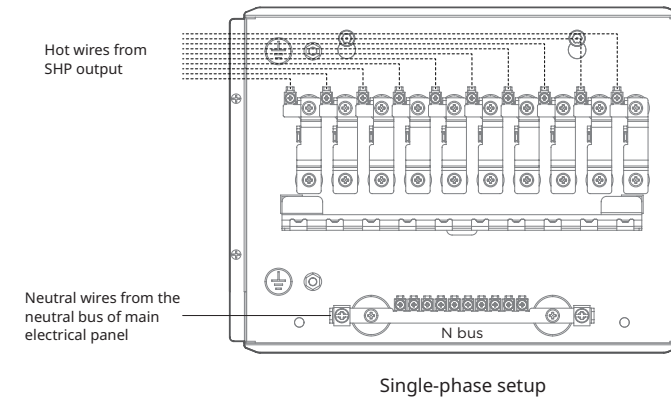


5 Run a neutral wire to the neutral terminal of the box from the main electrical panel.

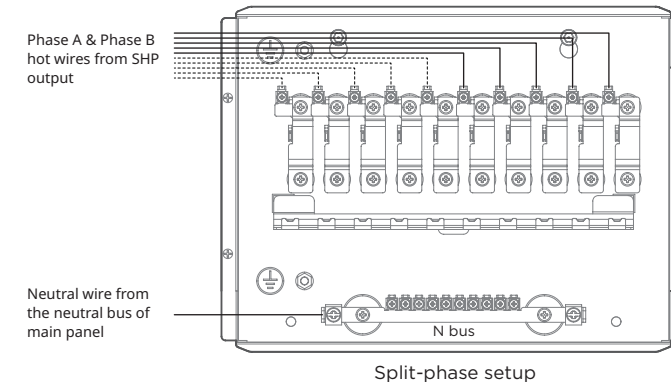


**!** It is recommended to use a 2/0 AWG wire (current 160 A) for the N wire. When fewer breakers are connected, the wire size can be reduced.

6 Connect the AC out port of the SHP (smart home panel) to the hot end of the device.

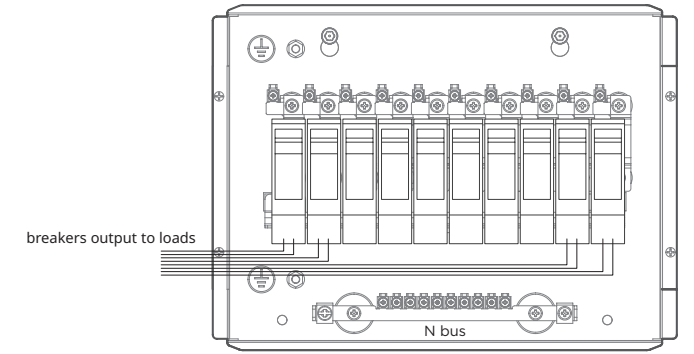


**!** When in single-phase connection, the input wires that are connected to the breakers must be hot wires and the conduit for the hot wires must be metallic.



**!** When in split-phase connection, the 5 hot wire ends on the left are phase A and the 5 hot wire ends on the right are phase B.

7 Return the neutral and hot wires back to the main electrical panel via the breakers.



## Post-installation Inspection

1. Make sure that the wiring is secure.
2. Make sure that wires and breakers are properly marked.
3. Check whether the interior of the box is clean and tidy, and whether there is any metal debris that has not been cleared away.
4. Use a multimeter to measure whether there is a short circuit in the wiring. Make sure the wiring is correct before powering up.
5. Confirm that the hot wire input tubing is metal. If not, it needs to be changed to a metal tube.