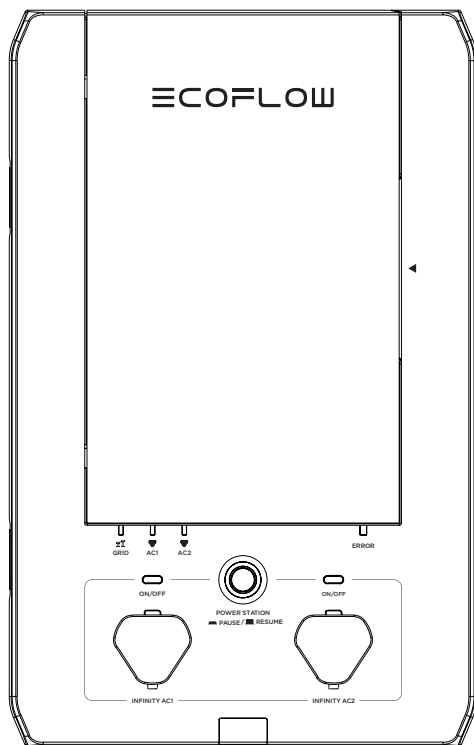


≡COFLOW

EcoFlow MR500 Smart Panel

— Installation Overview



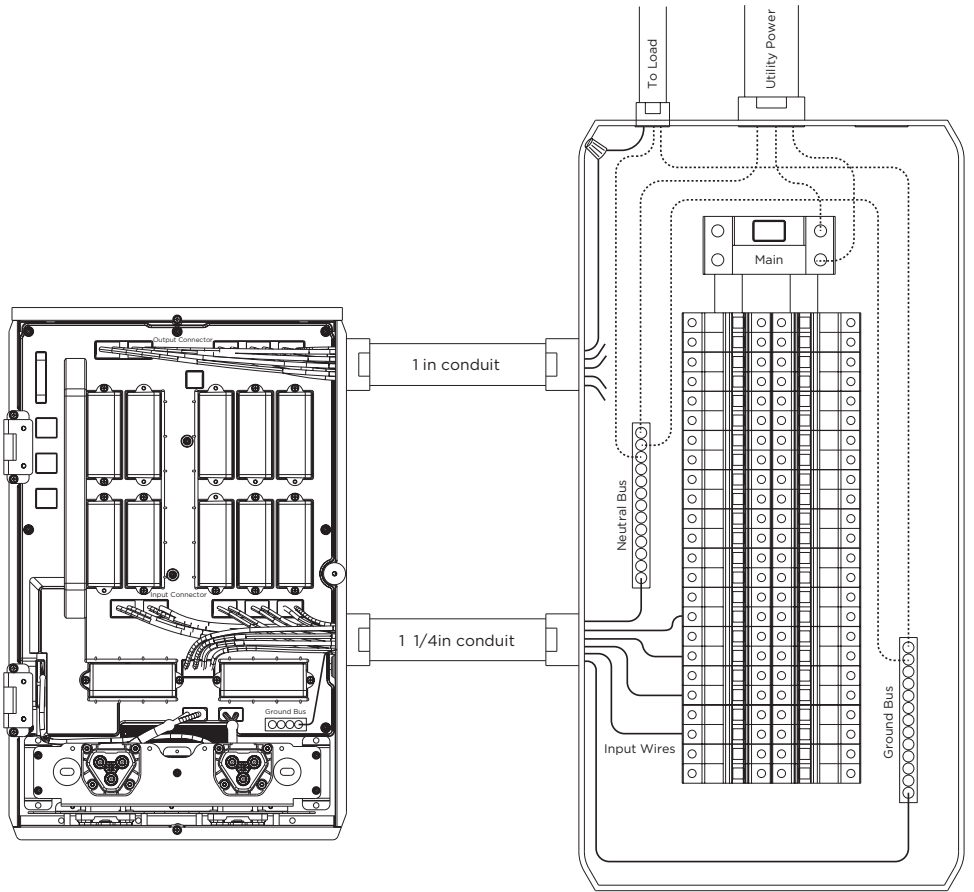
PRODUCT DESCRIPTION

The Ecoflow Smart Home Panel is a SMART load side transfer switch, which is the key component for the Ecoflow Home Battery Ecosystem. It is used as a fast-charging docking station for the DELTA Pro in the normal mode and can switch 10 downstream load circuits between the grid and the backup power station when grid power goes down. It also enables the APP control so that you can monitor and control these circuits anywhere, any time.

1. System Specification

Output Voltage	120V/240V
# of Controlled Circuit	10
System Frequency	50/60 Hz
Max Backup Power	7200W/14.4kW
Max Backup Energy	25kWh
Charging Power	1800W/3000W
Compliance	Meets UL 1008, 916, 9540, IEC 60974-1
Dimension	12.2in*19.2in*4.5in(310mm*488mm*115mm)
Weight	20 lbs/9 kg
Connection Method	Wi-Fi/Bluetooth/4G (optional)
Installation Method	Surface Mount
Enclosure Type	NEMA 1
Location	Indoor (Alone) / Outdoor (With Cover)

2. Installation Icon



Smart Home Panel

Main Electrical Panel

3. Installation Steps

3.1 Load Planning

1. Users need to carefully plan their backup load to make sure they have purchased enough DELTA Pros and extra batteries/Smart Generator(s) to power these loads.
2. The total PRO wattage (3600W for single PRO or 7200W for two PROs) should be greater than the total continuous running wattage of all backup loads plus the largest start-up wattage.

3.2 Mounting

1. The Smart Home Panel should be at least 15" away from the main electrical panel to provide safe working clearance. The input and output wires can be routed from either side of the product to the main electrical panel.
- * **Warning:** The main circuit breaker in the main panel must be opened to de-energize the whole circuit. Verification of de-energization should be performed before work starts using a voltage detection device.

3.3 Wiring

1. The Smart Home Panel comes pre-wired. Therefore, users only need to wire to the main electrical panel after mounting. There are a total of 26 wires, 10 input load hot wires connecting to the breakers, 10 output load hot wires connecting to the load, two DELTA Pro charging hot wires connecting to the breaker, two DELTA Pro charging neutral wires connecting to the neutral bus in the main panel and two ground wires connecting to the ground bus in the main panel. The whole system is single point grounded in the main electrical panel.

3.4 Connecting Pro

1. The DELTA Pros can only connect to the Smart Panel through the Infinity ports. Users can choose to have the Infinity ports installed on the front panel (Flush Mount) or the bottom panel. Once installed, user can cover the unused port with the cap provided.

3.5 Commissioning

1. Once step 1 through 4 have been performed, user should clean up all the wires and tie them using wire harness. Close the front panel and replace the screws to secure the door. Label the channel names accordingly on product.
2. User can now download the new Ecoflow App from the App store to set up their personal account. The first time starting up, user need to connect to the Smart Panel using Bluetooth connection. The App will lead the setup and commissioning process. Upon finishing the process, users can start enjoying their protected off-grid time.