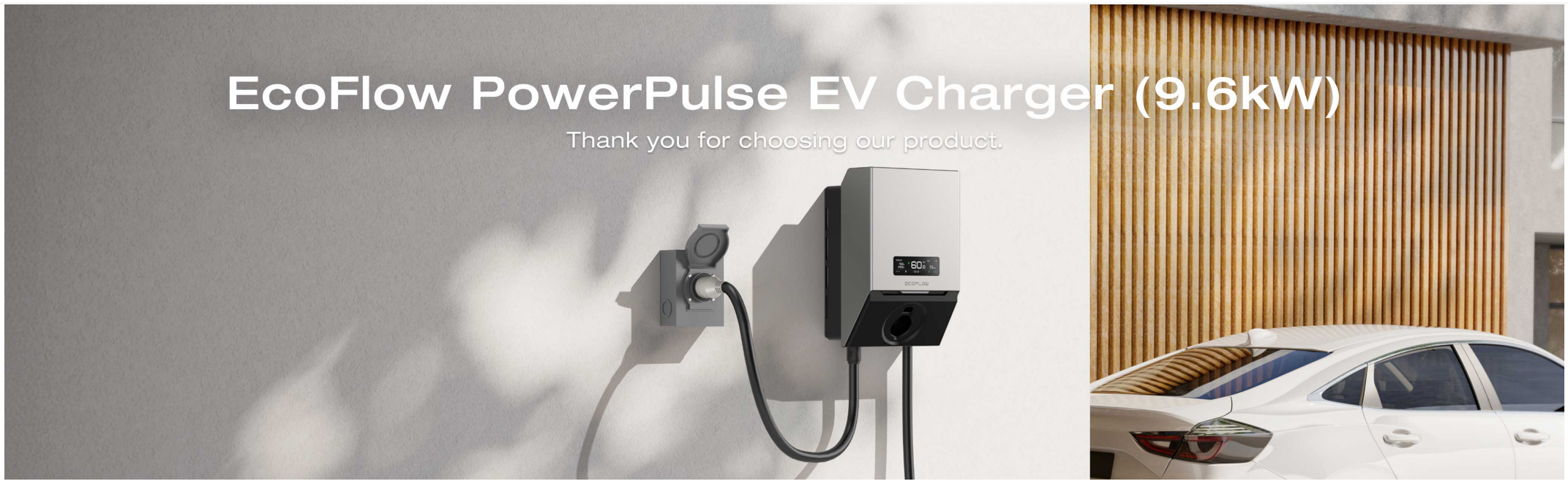

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Introduction

EcoFlow PowerPulse EV Charger (9.6kW) offers a convenient and intelligent way to charge your electric vehicle. Compatible with grid power, EcoFlow Smart Home Panel 2, and EcoFlow DELTA Pro Ultra, the charger supports flexible and efficient charging options. It works with most major electric vehicles in the U.S., including Tesla models when used with a separately purchased NACS adapter.

Installation Preparation

Before installing the product, make sure to confirm the following basic conditions, and thoroughly read and understand the contents of the Installation Guide to ensure electrical safety and convenient use.

⚠️ **Home Circuit Check**

- Check the type of home electrical system
- Calculate the total home electrical load and determine if it can support the maximum power operation of this product.

⚠️ **Installation Accessories/Tool List**

- Prepare the necessary accessories and tools according to the power usage scenario, and ensure that they meet the requirements of this product;
- Make sure that wires and circuit breakers are safe and undamaged.

⚠️ **Installation Check**

- Confirm wiring methods to ensure compliance with fire, electrical, and building regulations.
- The electrical wiring steps must be performed by a qualified electrician;
- For standalone operation, a NEMA 14-50 outlet is required.

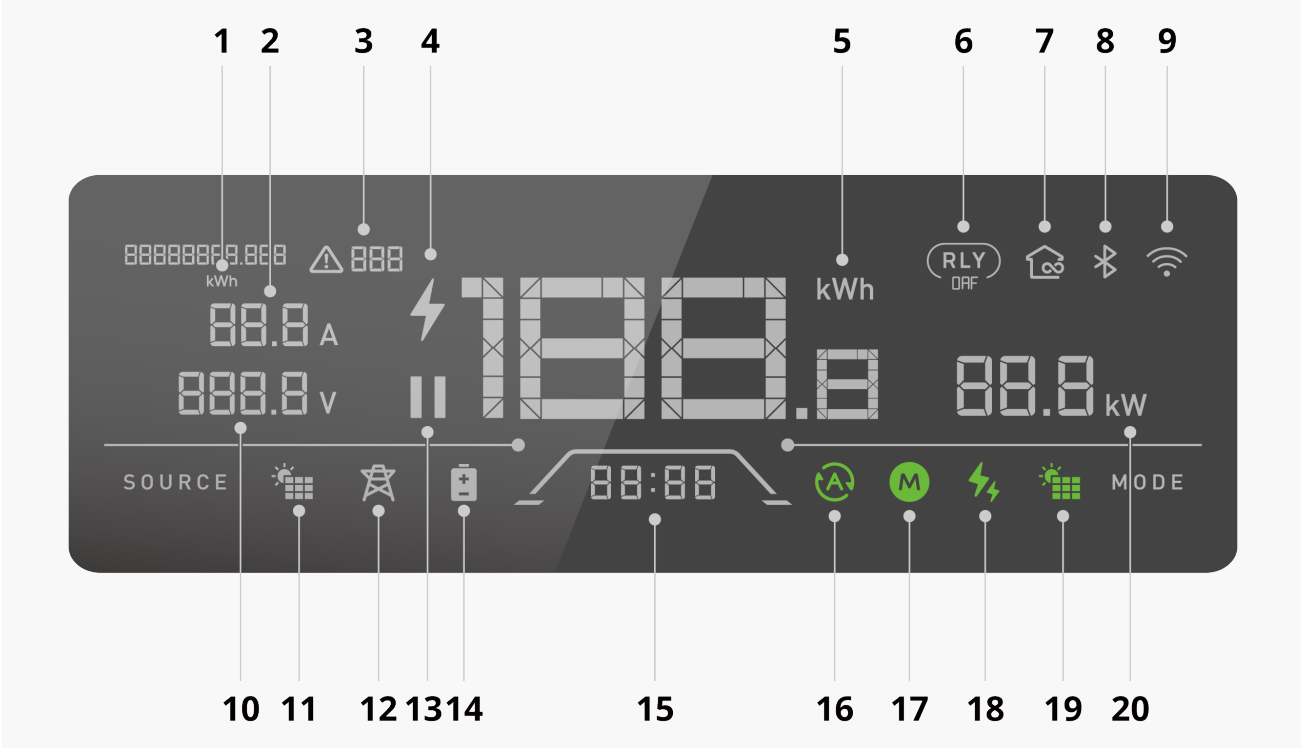
Product Details

1	Main charging box	Designed for installation in both indoor and outdoor environments.
2	LCD display	A screen that shows information on the current charging status and settings.
3	Indicator light	A visual indicator that uses white light to signal charging status and orange light to indicate fault alarms.
4	Cable holster	Used to store and secure the charging cable when not in use, protecting it from damage.
5	Power Input Cable	The cable used to deliver power to the EV charger, provided as a EcoFlow PowerPulse Input Cable (5p8 Port) with the option to purchase a EcoFlow PowerPulse Input Cable (NEMA 14-50P) separately.
6	Charging cable	When the charging cable is not in use, please store it in the holster to prevent damage and tripping hazards.

⚠️ **Maintenance and Inspection Requirements**

- Keep the EV charger holster clean and dry. If it gets dirty, please wipe it with a clean, dry cloth;
- Do not attempt to disassemble, repair or refit the EV charger. If necessary, please contact a qualified technician. Improper operation will result in device damage, electric leakage and other hazards.

LCD display



1	Total electricity consumption	11	PV input
2	Input current	12	Grid power input
3	Error code	13	PV power insufficient, charging suspended
4	Error code	14	Battery input
5	Output energy	15	Accumulated charging hours
6	Relay on/off	16	Smart mode
7	Access to energy storage system	17	Custom mode
8	Bluetooth	18	Fast charging mode
9	Wi-Fi	19	Solar mode
10	Input voltage	20	Output power

Power Systems

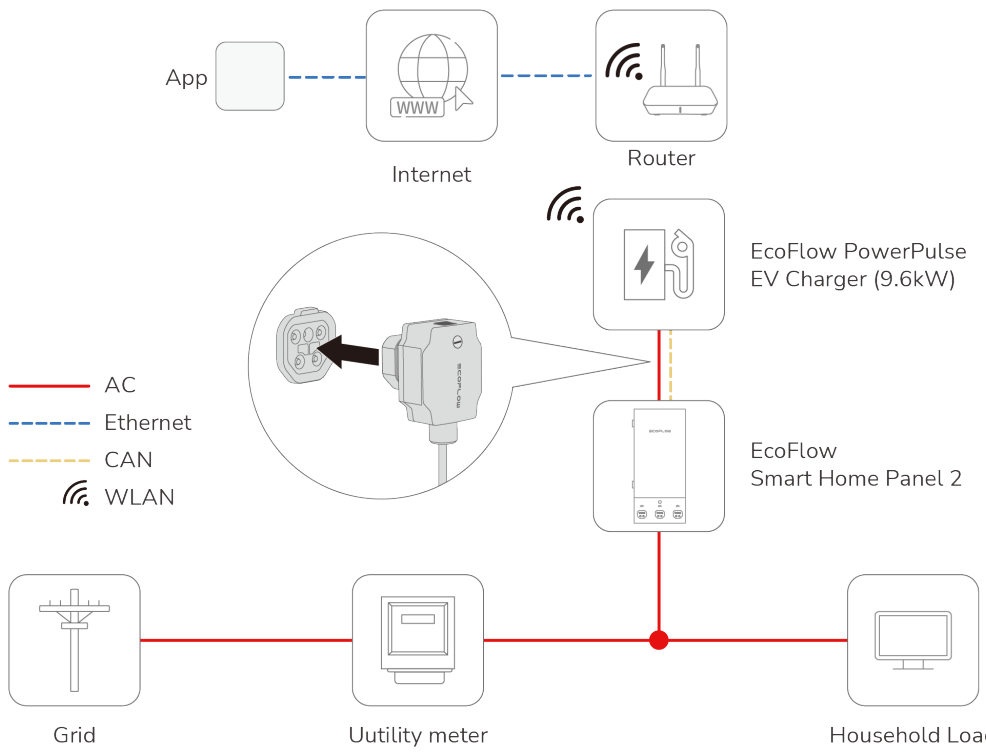
EcoFlow PowerPulse EV Charger (9.6kW) supports two power system configurations: smart system integration using **EcoFlow Smart Home Panel 2 (SHP2)** and **EcoFlow DELTA Pro Ultra (DPU)**, and standalone grid-only charging. The included EcoFlow PowerPulse Input Cable (5p8 Port) is only compatible with the smart configuration. To use the charger in a standalone, grid-only setup, a EcoFlow PowerPulse Input Cable (NEMA 14-50P) must be purchased separately.

Intelligent Connect (Up to 7.2kW)

This EV charger is designed to work seamlessly within EcoFlow’s smart energy

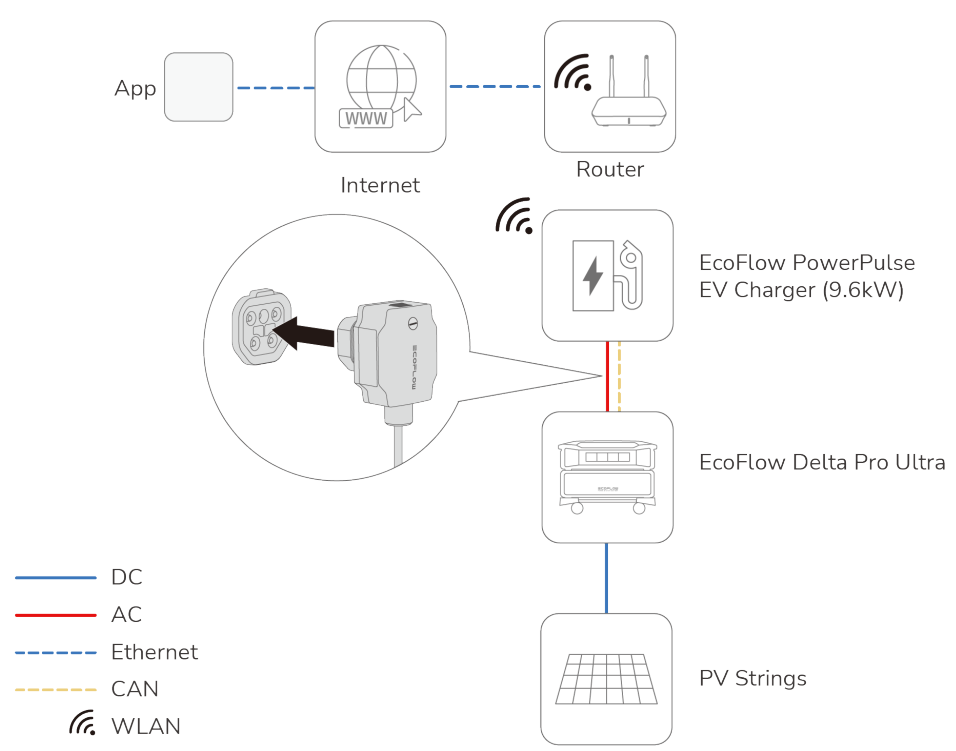
ecosystem. Depending on your configuration, the charger can support different features, ranging from intelligent power management to full off-grid backup.

With EcoFlow Smart Home Panel 2 (SHP2)



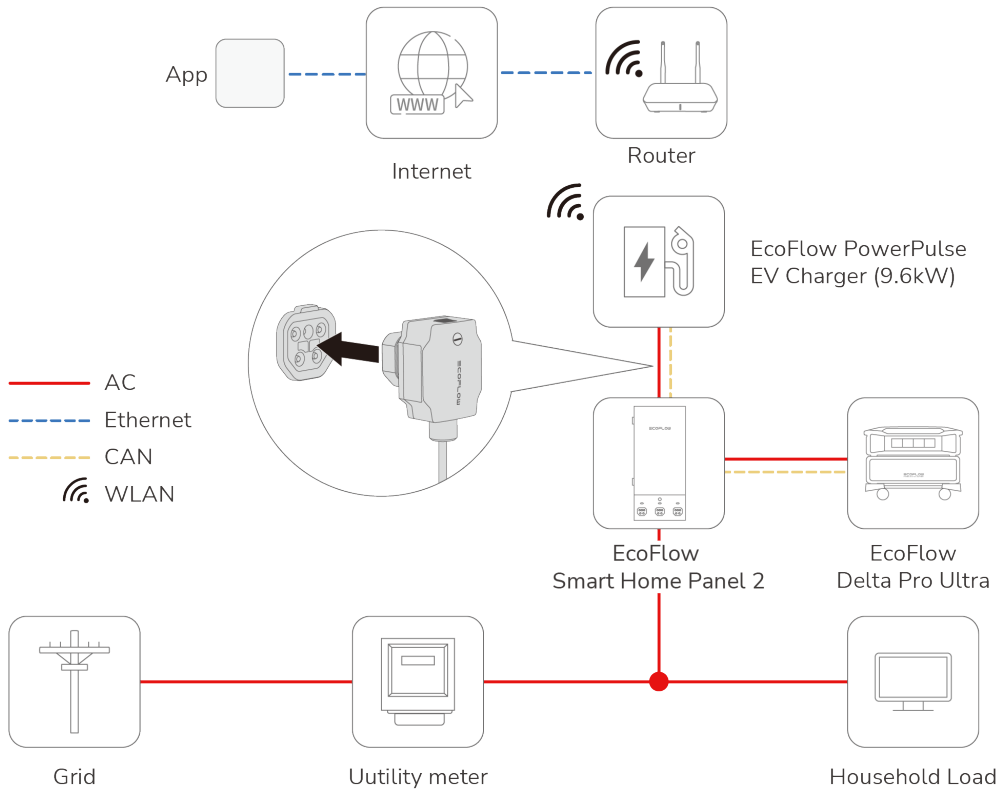
When paired with SHP2 alone, the EV Charger becomes part of an intelligent power management system. SHP2 distributes available energy sources — such as grid and solar power — to connected devices, including the charger. Through Ecoflow app, you can configure how the EV is charged by choosing from different modes like Self-powered or TOU (Time-of-Use), which help determine when and which power sources are used for charging. While the charger doesn't manage energy sources directly, it works seamlessly with SHP2's smart routing to support flexible and efficient EV charging.

With EcoFlow DELTA Pro Ultra (DPU)



When used with DPU alone, the charger can access stored power from the battery system. This setup allows you to charge your EV even during power outages. DPU also supports integration with solar panels, offering a flexible and sustainable power solution for EV charging.

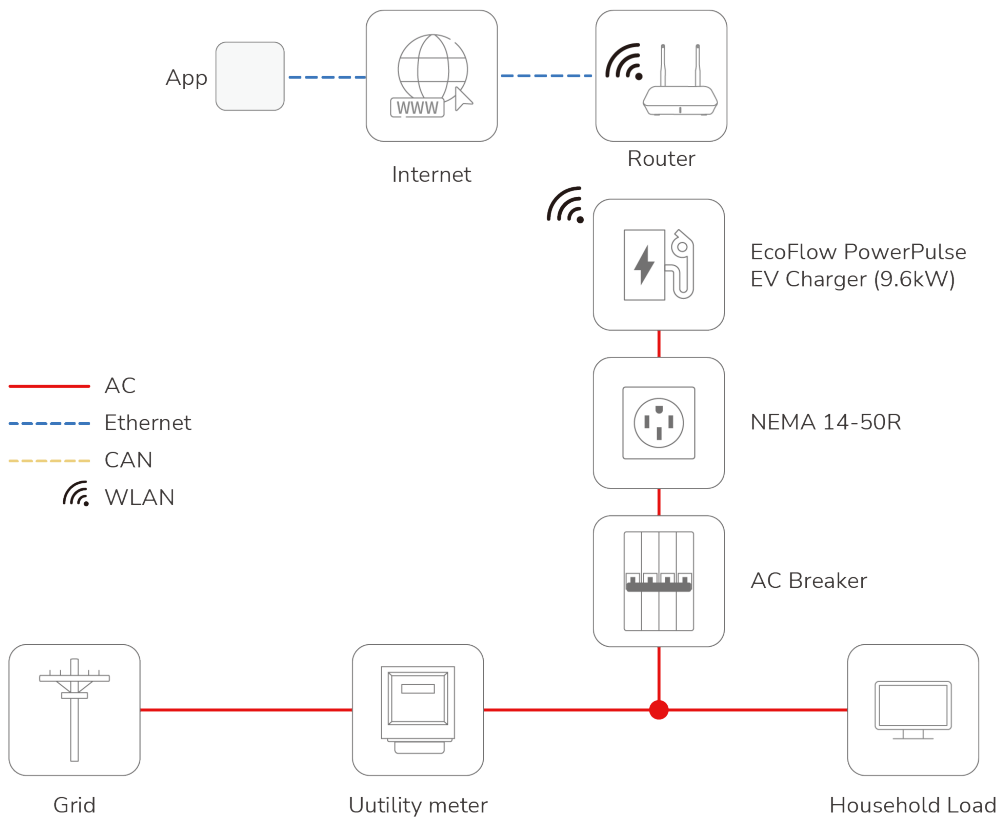
With EcoFlow Smart Home Panel 2 & DELTA Pro Ultra



The most comprehensive setup includes both SHP2 and DPU. This combination enables full-spectrum smart energy management, with real-time control over when and how to use grid, solar, or battery power. Within this setup, you can schedule charging tasks, control power source priorities, and maintain backup readiness — all within one connected system.

For more details, please refer to the Smart Home Panel2 and DELTA Pro Ultra user manuals.

Standalone Use (Up to 9.6kW)



When connected solely to the grid, the charger can deliver a maximum output of 9.6 kW. In this setup, a EcoFlow Power Input Cable (NEMA 14-50P) is required for proper connection and safe operation.

In this configuration, the charger offers basic charging modes such as:

- **Smart Mode**: Set the time you plan to use the car, and the charger automatically ensures the battery is ready by then, optimizing the charging schedule in the background.
- **Fast Charge**: Delivers the maximum allowable power to charge the vehicle

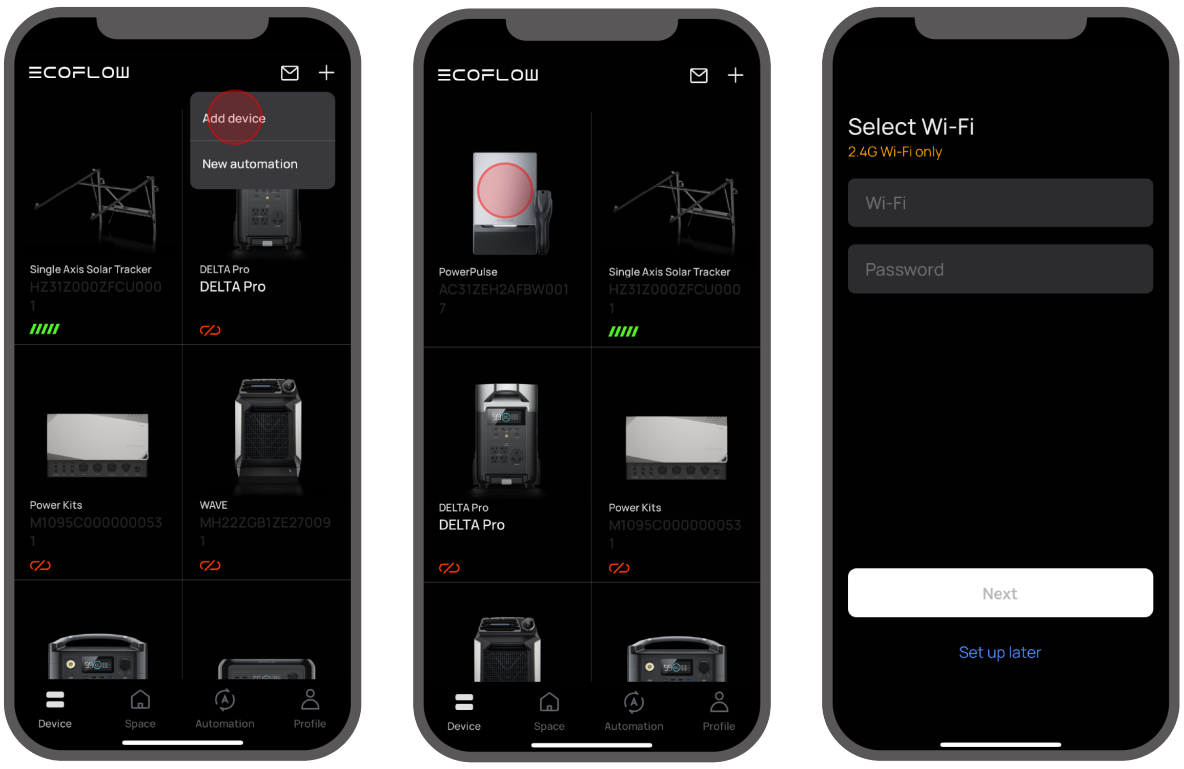
as quickly as possible.
- **Custom**: Allows manual adjustment of the charging current to suit your preferences or power availability.

App Functions

Connect to EcoFlow App

Download EcoFlow App

When using the product, please first add the device via Bluetooth on the EcoFlow app and configure it under your home Wi-Fi to remotely control the product or view data.



Once pairing is complete, you can start charging your car. When charging, follow the steps below.

Start charging: Insert the charging cable into the car charging port, and then tap [Start Charging] on the device homepage of the app.
Stop charging: Tap [Stop Charging] on the device homepage of the app, and then pull out the charging cable.

Notice

- Please ensure that the device is securely protected to prevent unauthorized use by third parties;
- Before stopping charging, you still need to tap or slide [Stop Charging] on the app, and then pull out the charging cable.

Smart Charging Settings

PowerPulse EV Charger settings

When connected to EcoFlow Smart Home Panel 2 (SHP2) and/or DELTA Pro Ultra (DPU), the charger offers three smart charging modes designed to manage solar, grid, and battery energy sources more intelligently:

- **Eco mode**
- **Surplus solar only**
- **Instant charging**

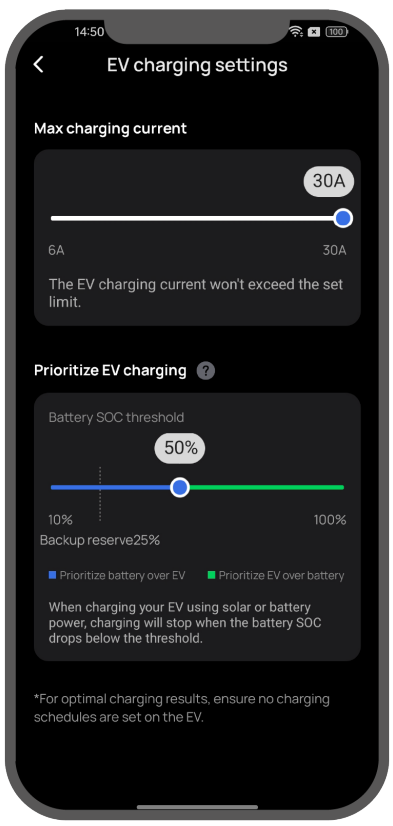
Each mode can be customized with optional features like **charging current setting (6A to 30A)** and **SOC threshold**.

- To access these modes, go to **[Gear] icon > System > System device settings** in the SHP2 or DPU homepage.

In all three modes, solar energy is prioritized when available, helping reduce grid reliance and energy costs.

SOC threshold

The SOC setting is only effective when the charger is connected to DPU (either alone or together with SHP2). When SOC is enabled, the charger will stop drawing battery power when the battery power falls below the set threshold, prioritizing energy storage in DPU for household needs or emergencies.

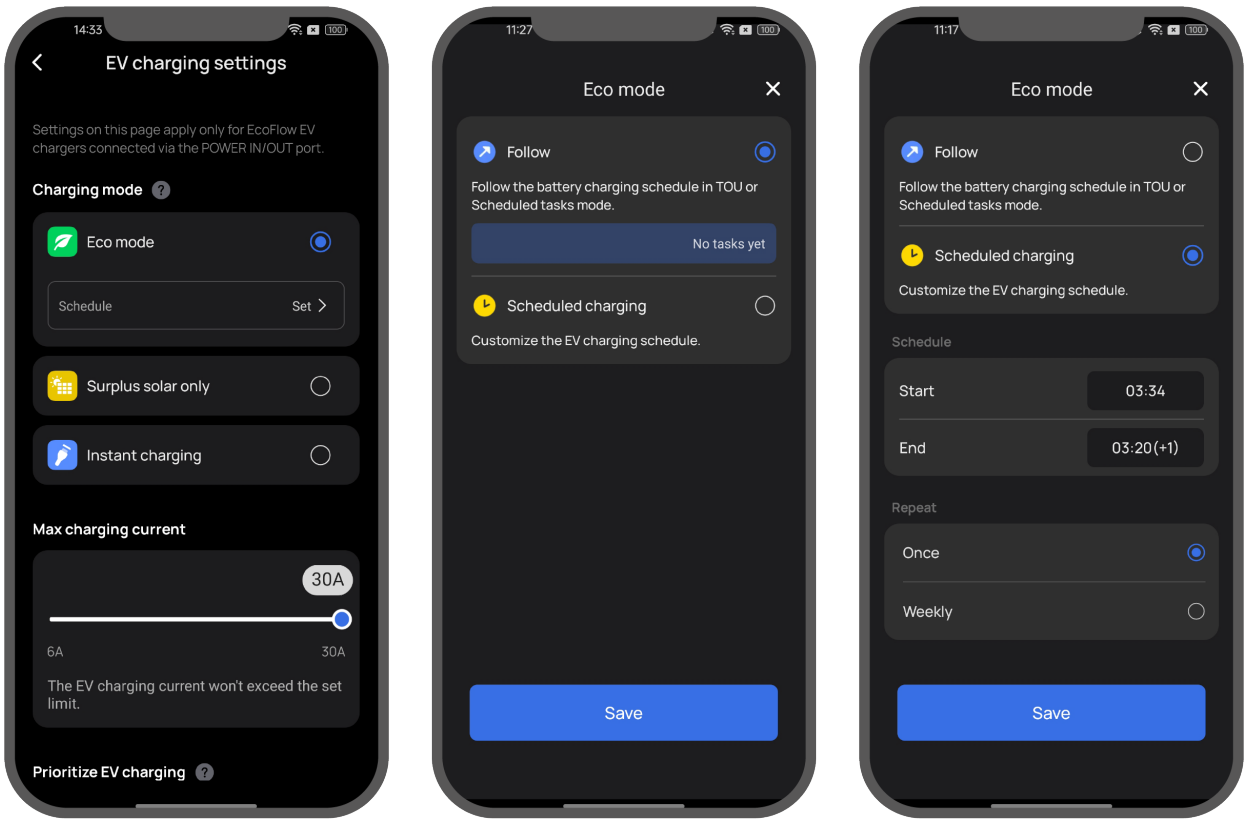


Eco mode

This mode prioritizes solar energy when available. If connected to a DPU, the battery's SOC threshold determines whether available energy is directed to the EV or stored in the DPU first.

Eco Mode includes two options:

- **Follow**: Syncs with Scheduled tasks or TOU settings on SHP2. This enables the charger to automatically charge during off-peak hours or according to personalized schedules.
- **Scheduled Charging**: Allows you to set a start and end time, with options for repeating the plan.

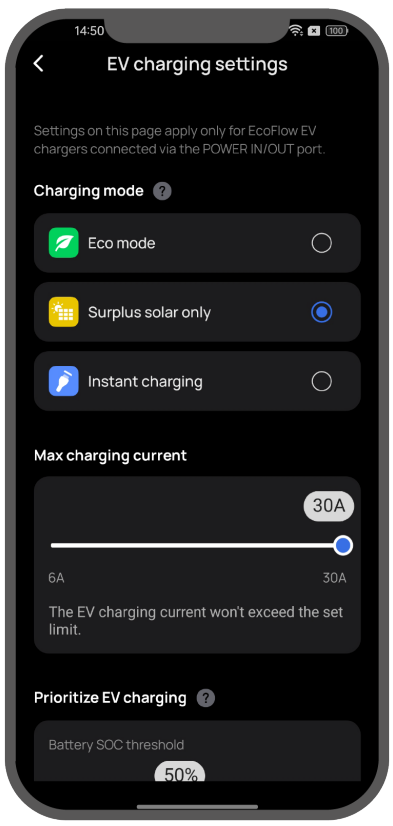


> **Note:** The Follow option is available only when a SHP2 is **connected.** Its feature depends on the SHP2's operating modes (TOU or Scheduled tasks), which are used to manage solar and grid power across the entire home energy system. See the next chapter **Savings mode** for more detailed information.

Surplus solar only

This mode enables the EV charger to operate only when surplus solar energy is available—ideal for maximizing the value of your solar panels.
When a DPU is connected, the SOC threshold setting determines charging behavior:

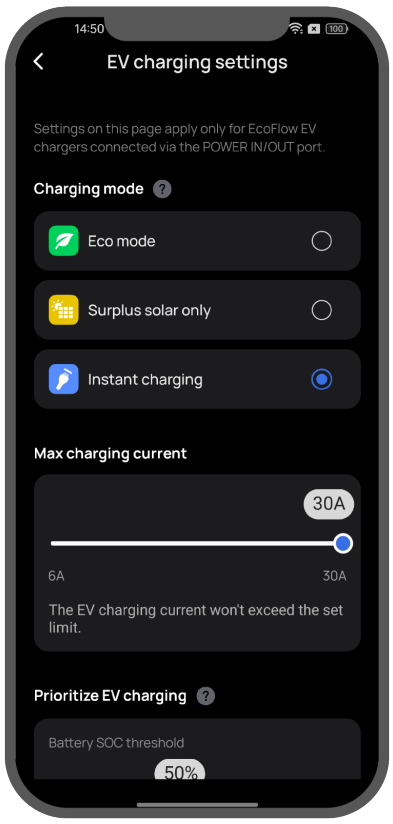
- If SOC is **below** the threshold, solar charges the DPU first.
- If SOC is **above** the threshold, solar is used to charge the EV.



Instant charging

In this mode, the EV charger activates as soon as it's plugged into a EV. If solar energy is available, it will be prioritized.

When a DPU is connected, the SOC threshold setting becomes active. This means that even when the charger is plugged into the EV, instant charging will only occur if the battery's SOC is above the set threshold. If the SOC is below the threshold, charging will *not* be active.



*Savings mode

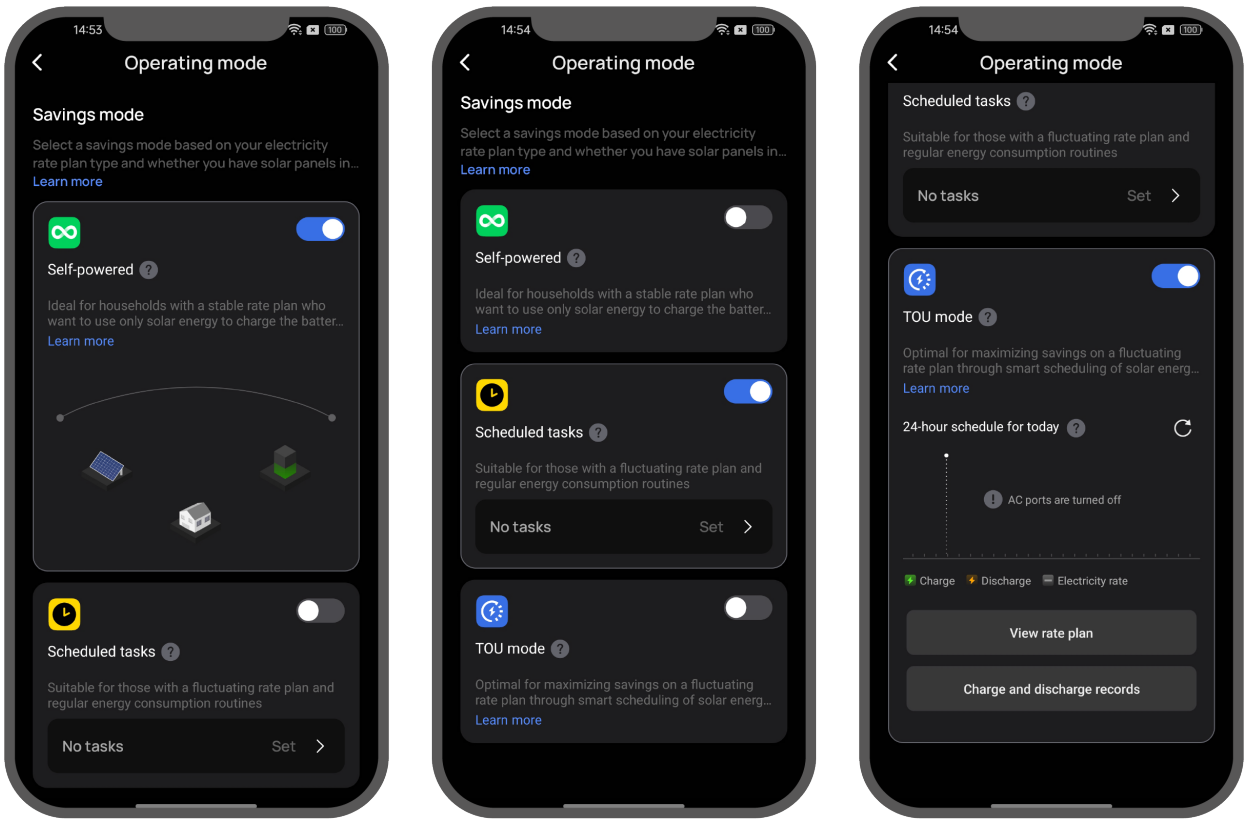
SHP2 and DPU offer the following energy scheduling and management modes via the app:

- **Self-powered**: Prioritize solar power only. The charger uses solar energy when available.
- **Scheduled tasks**: Define timeframes for charging based on routine usage or off-peak hours.
- **Tou mode**: Optimize for dynamic electricity pricing by blending grid, solar, and battery sources intelligently.

These modes are configured through the SHP2 or DPU interface and determine how energy is allocated between solar, battery storage, and the grid to optimize EV charging and maximize savings based on your electricity rate plan.

- To access these three features, go to **[Gear] icon > Features > Operating mode** in the SHP2 or DPU homepage.

Standalone use settings

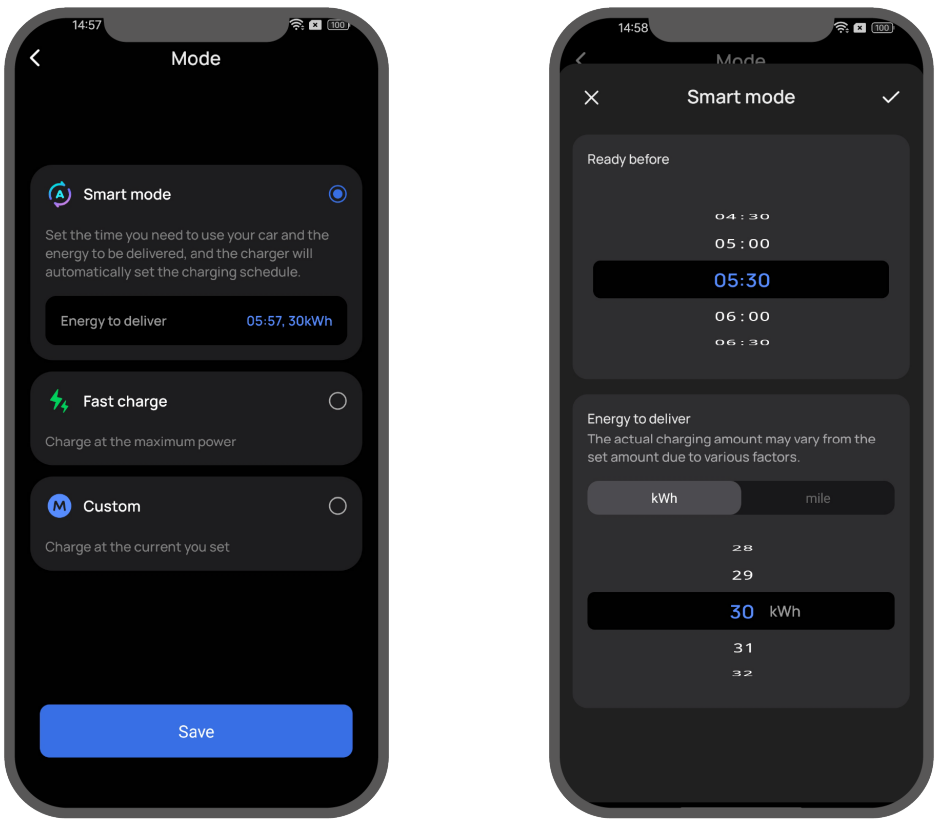


When the charger is used without SHP2 or DPU, three simplified modes (**Smart**, **Fast charge**, and **Custom**) are available:

To access these modes, go to your EV charger's homepage, and select **Mode**.

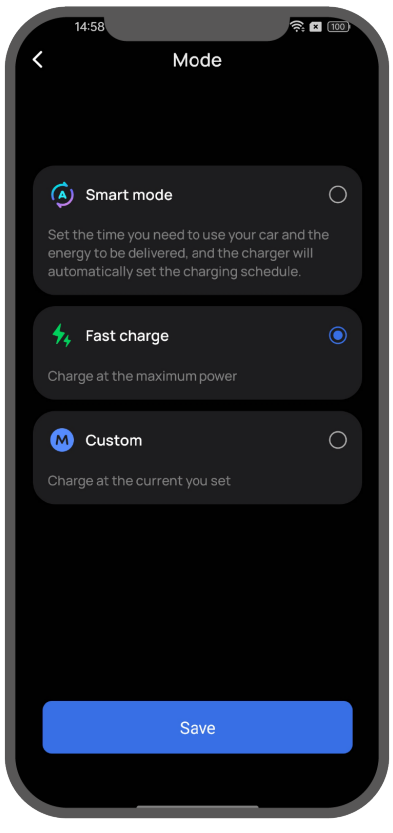
Smart mode

When you sets your electricity rates in the Ecoflow app, **Smart Mode** automatically calculates the most cost-effective charging schedule. It ensures the EV is fully charged before the specified departure time by prioritizing off-peak electricity periods.



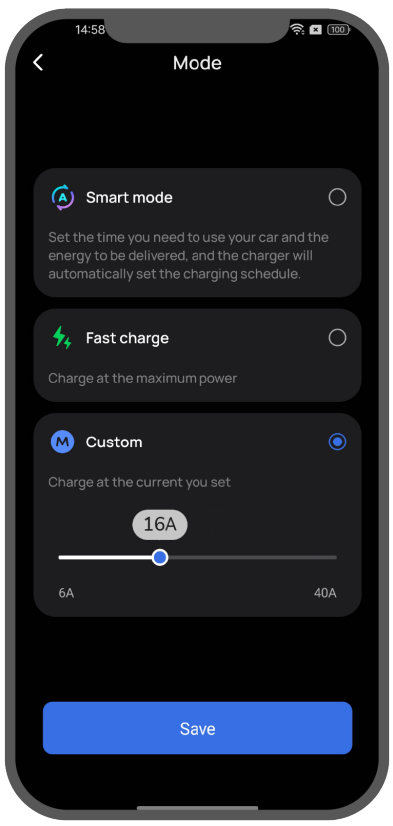
Fast charge

Delivers the highest possible charging current to charge the EV as quickly as possible, prioritizing speed and convenience.



Custom

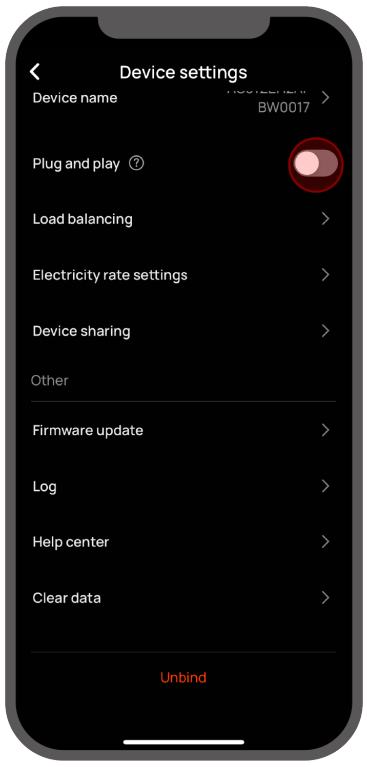
Allows manual adjustment of charging current (between 6A and 16A) to match household power availability and reduce the risk of circuit overload during periods of high energy use.



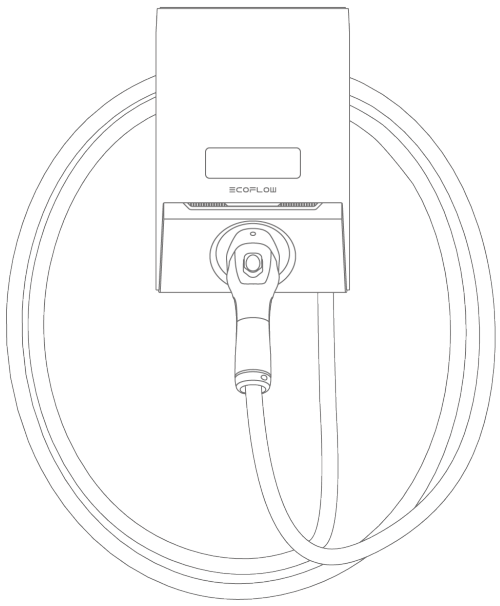
Plug and Play

After adding this product to the EcoFlow app, the plug-and-play function can be turned on. After turning it on, plug the charging cable directly into the car charging port to start charging.

- **Settings: Device settings - Plug and play**



What's in the Box



1	EcoFlow PowerPulse EV Charger (9.6kW)
2	Mounting template
3	EcoFlow PowerPulse Input Cable (5p8 Port)
4	Paper Material Bundle
5	Anchors and screws (x4)

Specifications

- **Model: EF-EVAC-9K6-DIY**

Charge Power	9.6kW

(Configurable)	
Rated Input/Output Voltage	208/240VAC (L1, L2, PE)
Rated Input/ Output Current	40A
Rated frequency	60 Hz
Residual Current Circuit Breaker (RCCB)	External overcurrent protection device required*
Connector Type	SAE J1772, 24.6 ft (7.5 m)
Approved Grid Configurations	TN, TT
Communication	
Wi-Fi (2.4G)	Supported
Bluetooth	Supported
Environment Requirements	
Ambient Temperature for Storage	-40°F to +158°F (-40°C to +70°C)
Ambient Temperature for Operation	-22°F to +122°F (-30°C to +50°C)
Relative Humidity	5% to 95%
Basic Information	
Net Weight	Approximately 13.7 lbs (6.2 kg)
Dimensions	13.1×8.9×5.7 in (333×226×145 mm)
Installation	Wall-mounted
Altitude	≤ 6561 ft (2000 m)
Protection	AC overvoltage protection, AC undervoltage protection, Output overcurrent protection, AC overfrequency protection, AC underfrequency protection, Overtemperature protection, Leakage protection, Surge protection, Relay contact sticking alarm, Ground fault protection
Protective Class	NEMA 4
Compliance	UL2594, UL2231-1, UL2231-2, UL1998, UL991, ENERGY

Standards STAR

- Type A or Type B according to local regulations.

Safety Instructions

Disclaimer

This product includes essential printed documentation required for setup and basic usage. For detailed manuals,
resources, and the most up-to-date information about the product, visit https://www.ecoflow.com/support/download/. Fully read and understand the product documentation prior to use. Improper use may result in serious injury, damage, or property loss. By using this product, you agree to and accept all terms outlined in the product documentation. EcoFlow is not liable for losses, damages, or injuries caused by misuse or non-compliance.

Operating Instructions

WARNING – When using electric products, basic precautions should always be followed, including the following. This manual contains important instructions for Models EF-EVAC-9K6-DIY that shall be followed during installation, operation and maintenance of the unit.
a. Read all the instructions before using this product.
b. This device should be supervised when used around children.
c. Do not put fingers into the electric vehicle connector.
d. Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
e. Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.

Installation Instructions

1. Before installing, operating, and maintaining the equipment, read and follow up Installation Guide and Safety Instructions.
2. Do not work with power on during installation.
3. STORAGE INSTRUCTIONS – This device shall be mounted at a sufficient height from grade such that the height of the storage means for the coupling device is located between 600 mm (24 inches) and 1.2 m (4 feet) from grade.
4. Wear proper PPE (Personal protective equipment) before installation and maintenance of equipment.
5. Before connecting cables, ensure that the equipment is intact. Otherwise, electric shocks or fire may occur.
6. Use the product as intended and in a safety-conscious manner. Have faults and damage that could impair safety rectified immediately by EcoFlow or a

certified EcoFlow partner.

7. Do not touch the exposed cable with your hands.
8. Make sure the cables, connectors and ports are dry before starting up the equipment. Make sure all three are connected securely.
9. Tighten the screws to the specified torque using tools when installing the equipment.
10. After installing the equipment, remove the remnants of the device installation area, such as cardboard boxes, foam, plastic, wire ties, stripped insulation materials, etc.
11. All warning label and nameplates on the equipment should be visible after installation is complete. Do not scrawl, damage, or block any warning label on the device.
12. Do not reverse engineer, decompile, disassemble, adapt, add code to the device software or alter the device software in any other way. Any other operation that violates the original design specifications of the device hardware and software is not allowed.
13. Do not connect other loads under the equipment, which should be installed in a dedicated electric circuit.

Personnel Requirements

1. Only qualified professionals are allowed to install, operate, and maintain the equipment.
2. USER MAINTENANCE INSTRUCTIONS – Personnel who plan to install or maintain EcoFlow equipment must receive thorough training, understand all necessary safety precautions, and be able to correctly perform all operations.

Electrical Safety

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK – Before connecting cables, ensure that the equipment is intact. Otherwise, electric shocks or fire may occur.

Grounding Instructions

1. An insulated grounding conductor that is identical in size, insulation material, and thickness to the grounded and ungrounded branch-circuit supply conductors, except that it is green with or without one or more yellow stripes, shall be installed as part of the branch circuit that supplies the device or system.
2. The grounding conductor described in item 1 shall be grounded to earth at the service equipment or, when supplied by a separately derived system, at the supply transformer.
3. This product must be connected to a grounded, metal, permanent wiring system, or an equipmentgrounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.
4. This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an

equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

5. WARNING – Improper connection of the equipment grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.
6. For the equipment that needs to be grounded, install the ground cable first when installing the equipment and remove the ground cable last when removing the equipment.
7. Do not damage the ground conductor.
8. Do not operate the equipment in the absence of a aproperly installed ground conductor.
9. Ensure that the equipment is connected permanently to the protective ground. Before operating the equipment, check its electrical connection to ensure that it is securely grounded.
10. The PE pole of the power input terminal must be grounded.

General Requirements

1. CAUTION – To reduce the risk of fire, connect only to a circuit provided with 60 amperes maximum branch circuit overcurrent protection in accordance with the ANSI/NFPA 70.
2. Ensure that all electrical connections comply with local electrical standards.
3. Ensure that the cables installer prepared meet local regulations.
4. Use dedicated insulated tools when performing high- voltage operations.
5. Before connecting a power cable, check that the label on the power cable is correct. When fabricating cables and installing connectors on site, follow the respective instructions in installation guide and the requirements of local laws and regulations.