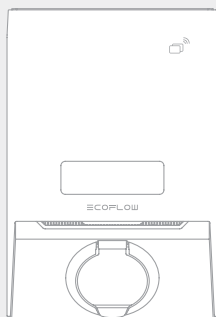




INSTALLATION GUIDE

V1.0



Manual

EcoFlow PowerPulse 2 EV Charger

For more details, check the latest user manual
or related documents.

🔍 <https://enterprise.ecoflow.com/documentation>

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Safety Instructions

Symbol Convention

Symbol	Description
 DANGER	Indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.
 CAUTION	Caution, risk of electric shock.
 WARNING	Indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.
 NOTICE	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results. NOTICE is used to address practices not related to personal injury.

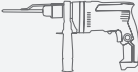
General Precaution

WARNING

- Before installing, operating, and maintaining the equipment, read and follow up Installation Guide and Safety 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.
- Personnel who will install, operate, and maintain the equipment, including operators, trained personnel, and professionals, should possess the local national required qualifications in special operations such as high-voltage operations, working at heights, and operations of special equipment.
- Before connecting cables, ensure that the equipment is intact. Otherwise, electric shocks or fire may occur.
- Always disconnect the equipment from all power before any operation.
- Wear proper PPE (Personal protective equipment) before any operations.

Tools & Accessories Checklist

For Installation



Hammer drill
Φ6mm



T20 Torx
Screwdriver



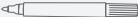
Electrical
screwdriver



Mallet



Measuring tape



Marker



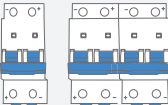
Level



Protective equipment

For Electrical Wiring

a



Three-phase/single-phase AC circuit
breaker, with overload protection
and short-circuit protection

b



L1 (+L2+L3)+
N+PE AC cables

Model	Rated current (A)	a: Rated current of AC circuit breaker (A)	b: Cross section area of conductor (mm ²)
EF PP-H02-1 EF PP-H02-2 EF PP-H02-3 EF PP-H02-6 EF PP-H02-7 EF PP-H02-8	32	40	10
EF PP-H02-4 EF PP-H02-5	16	20	4



Multimeter AC voltage
measurement range ≥ 400V



Tube type crimp tool



Wire stripper

For Communication Wiring (optional)



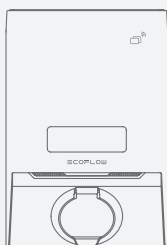
Shielded Twisted Pair cable
(0.5 mm², length ≤15 m)



Tube type wire terminals*2
(0.5 mm²)

What's in the Box

A x1



Charging Box

B1 x1



B2 x1



B3 x1



B4 x1



Power Input Connector

C1 x1



C2 x1



C3 x8



COM Connector

D x1



Fixing Template

E1 x4



E2 x4



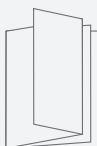
Wall Installation Kits
(one spare set)

F x2



Charging Card

G x1



Product Documents

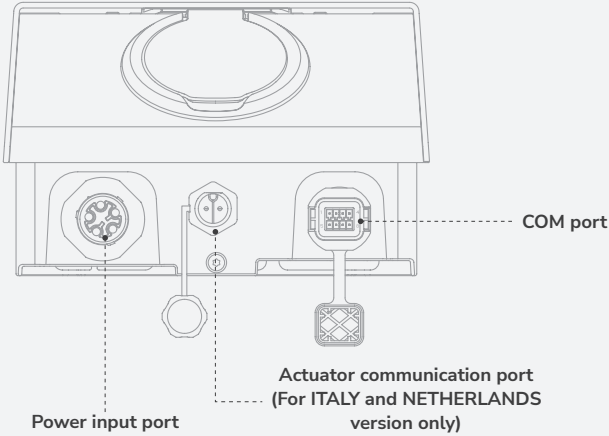
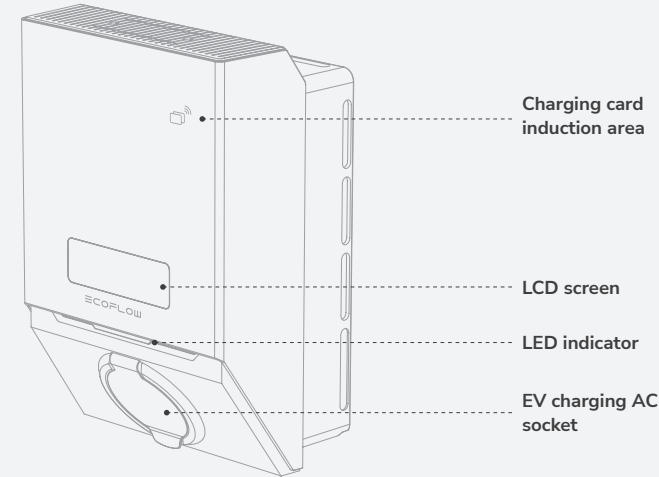
H x1



Actuator Communication
connector (For ITALY and
NETHERLANDS version only)

- The appearance of the product may be optimized to enhance the user experience. Please refer to the actual product.

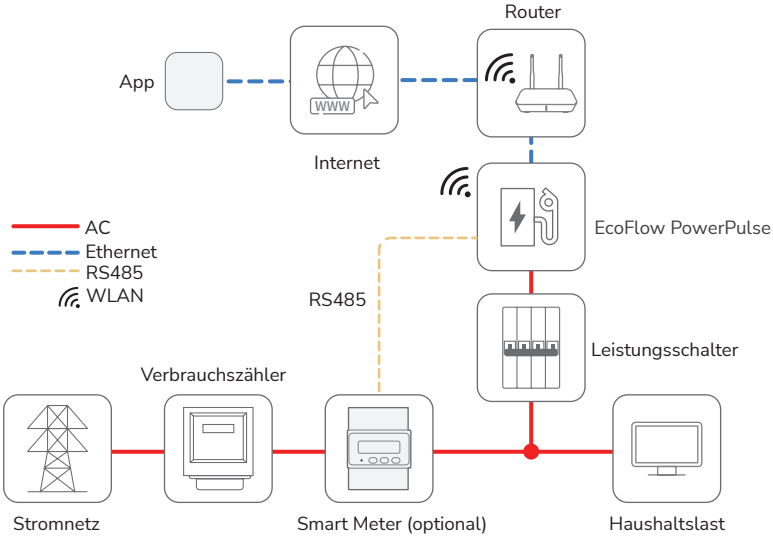
Product Overview



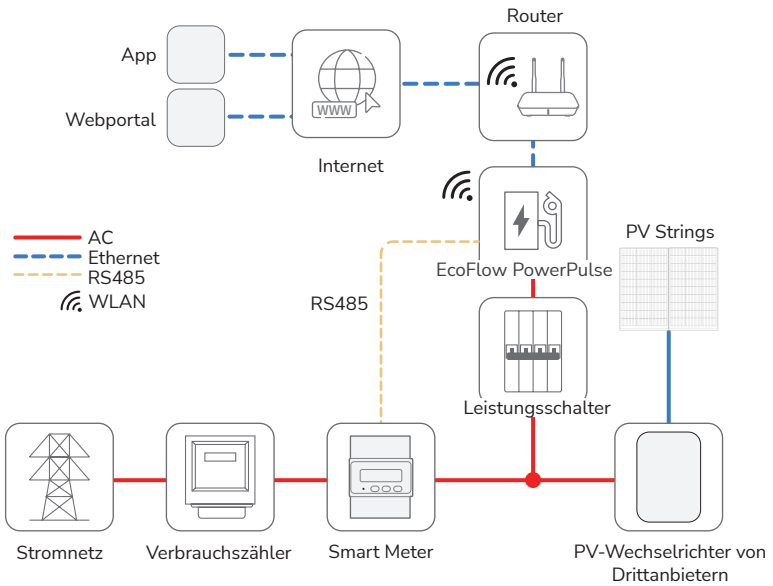
Application Scenarios

The EcoFlow EV Charger can operate in standalone mode or in combination with either EcoFlow PowerOcean system or third-party PV system.

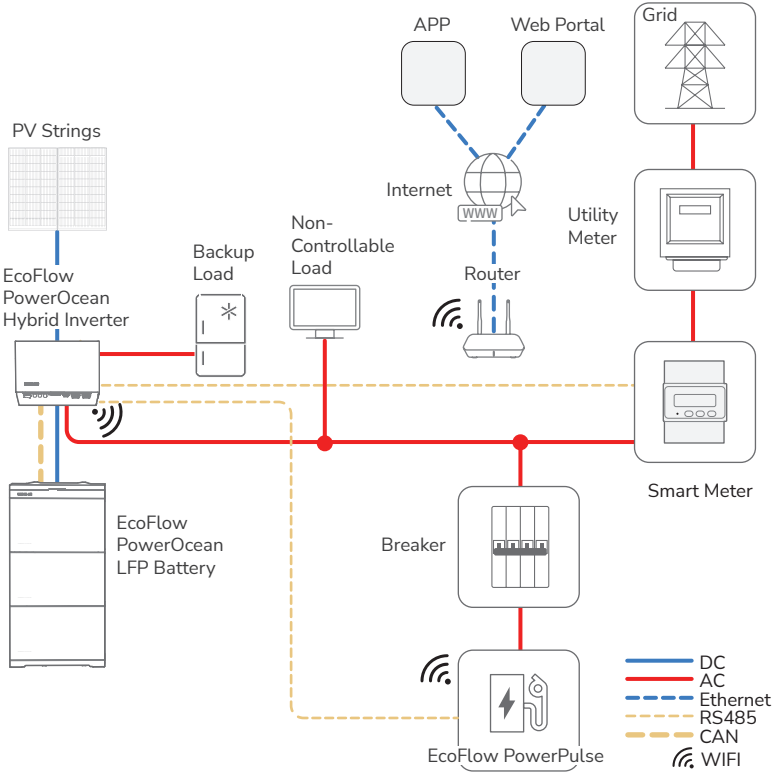
Standalone Operation Overview



(Coming soon) Integration with Third-Party PV System



(Coming soon) Integration with EcoFlow PowerOcean System



Installation Guide

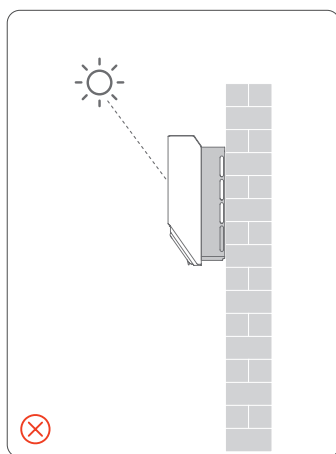
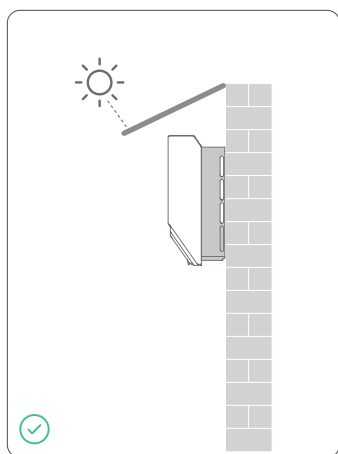
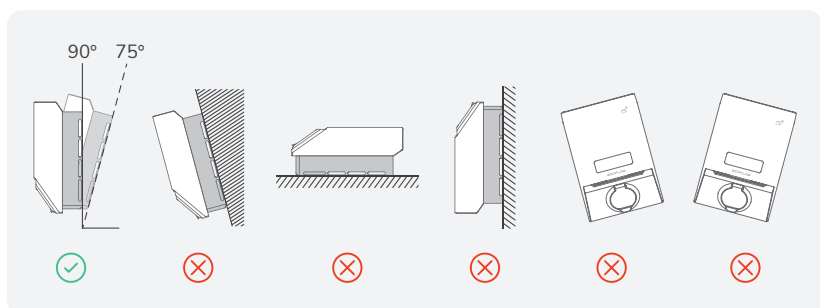
Installation Environment Requirements

- EV Charger is protected to IP54 (without charging cable) and can be installed indoors or outdoors.
- The installation position should be close to both the parking spot (car charging port) and distribution box to ensure that the cable is not stretched by force.
- The mounting structure where the EV Charger is installed must be fire resistant. Do not install the equipment on flammable building materials.
- The EV Charger must be installed in a well-ventilated environment to ensure good heat dissipation.
- EV Charger should be installed on flat, vertical surface capable of supporting its weight (e.g. wall, pedestal, etc.).
- Ensure that the installation site is level, vibration-free and free from contamination.
- When drilling holes, avoid the water pipes and power cables buried in the wall.
- Do not install the EV Charger near flammable, explosive, or caustic sources.
- Do not install the EV Charger in environment with strong electromagnetic fields to avoid radio interference.

- EV Charger should be installed in a location that avoids direct solar radiation, which might cause overheating of the EV Charger resulting in derated output. You are advised to install the EV Charger in a sheltered place or install an awning over it.
- Do not connect other loads under the EV Charger, which should be installed in a dedicated electric circuit.

Installation Angle Requirements

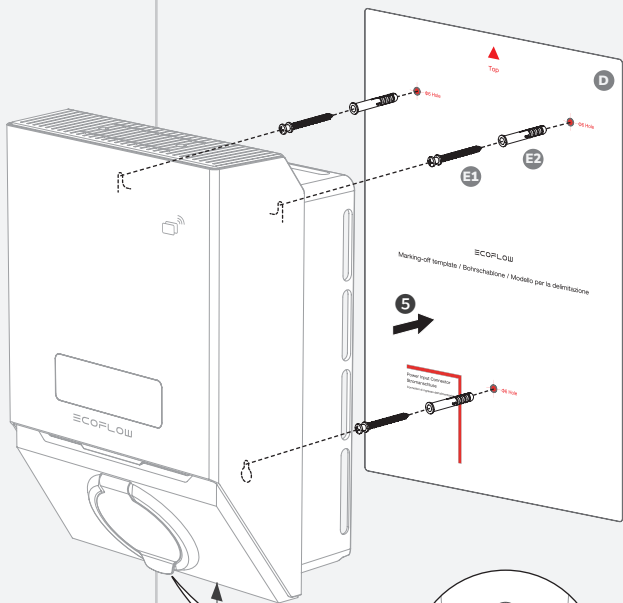
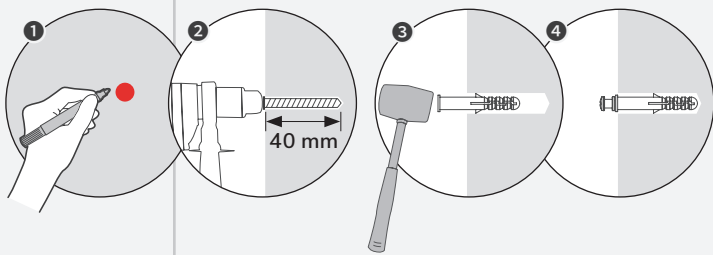
- Install the EV Charger vertically or at a maximum back tilt of 15 degrees to facilitate heat dissipation.
- Do not install the EV Charger at forward tilted, excessive back tilted, side tilted, horizontal, or upside down positions.



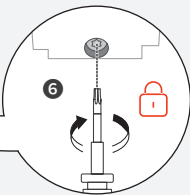
Installation Space Requirements

- Reserve ample clearance around the EV Charger to ensure sufficient space for installation and heat dissipation.
- Maintain the recommended clearances to walls as well as to other charging stations, inverters or objects.
- If multiple EV Chargers are mounted in areas with high ambient temperatures, increase the clearances between the products and ensure sufficient fresh-air supply.
- The space needed to park the electric vehicle to be charged must be taken into account.

Installation Steps



$1.5\text{ m} \geq H \geq 1.1\text{ m}$



NOTICE

When installed on a wooden wall, drill the bolts directly into the wall without using expansion sleeves.

Electrical Connection

CAUTION

- All electrical connections must be carried out by a professionally trained and certified electrician.
- Certified RCBO should be installed upstream close to the charging station. All these protection devices shall be chosen with appropriated technical specification:
 - working voltage $\geq$ charging station working voltage.
 - working current $\geq$ charging station working current.
 - Ingress Protection (IP) $\geq$ IP54.
- Please make sure all cables are connected correctly before turning on the upstream RCBO.
- In case of a short circuit, the I^2t value at the EV socket of the EV Charger should not exceed 65,000 A²s.

NOTICE

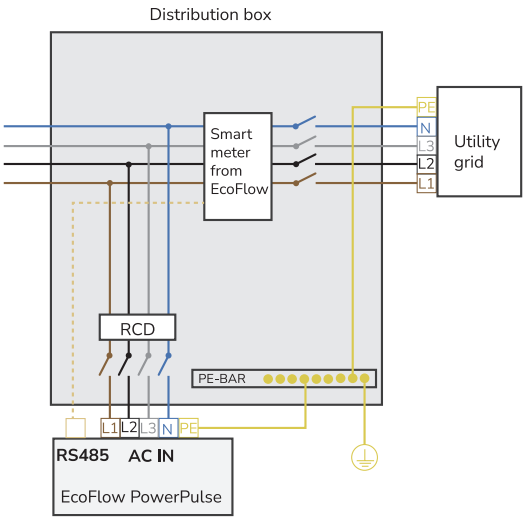
- Please purchase cables that meet local certification standards.
- Do not remove the protective cap of unused terminals. Otherwise, the IP rating of the equipment will be affected.
- The cable colors shown in the figures are for reference only. Select an appropriate cable according to the local standards.
- Do not connect other loads under the EV Charger, which should be installed in a dedicated electric circuit.
- Before installing this product, it is important to measure the present load of your home electrical circuit and ensure that it can carry the operating current of this product, otherwise the circuit will be tripped.
- After powering on the product, it will initiate device testing. To confirm that the self-check process has been successful, verify that there are no abnormal indicator light effects (refer to the section on Indicator Light for more information).

Wiring Diagram

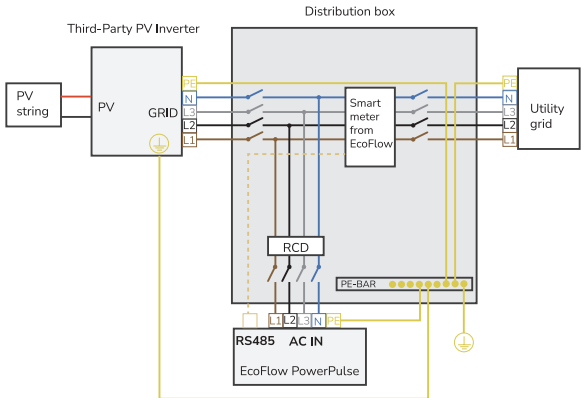
Standalone Operation

NOTICE

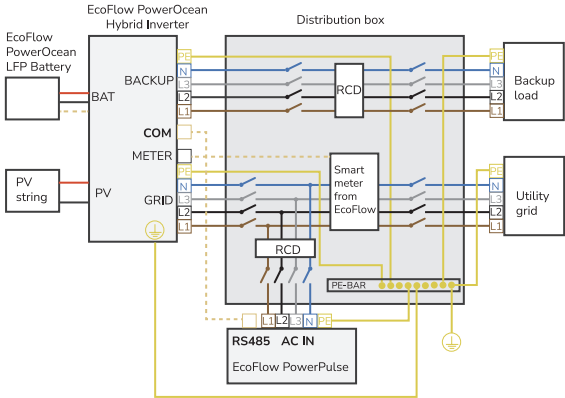
Wiring may vary based on the regulation requirements of different regions. Refer to the specific requirements of local regulations.



Third-Party PV System with EcoFlow PowerPulse

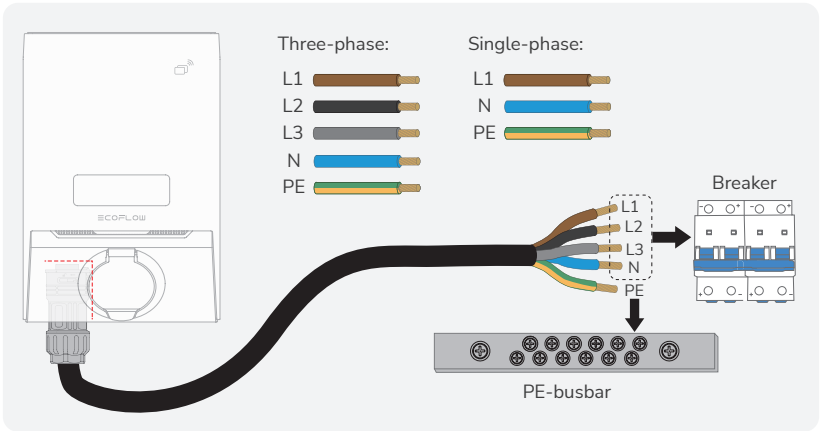


EcoFlow PowerOcean System with EcoFlow PowerPulse



Connecting Power Input Cables

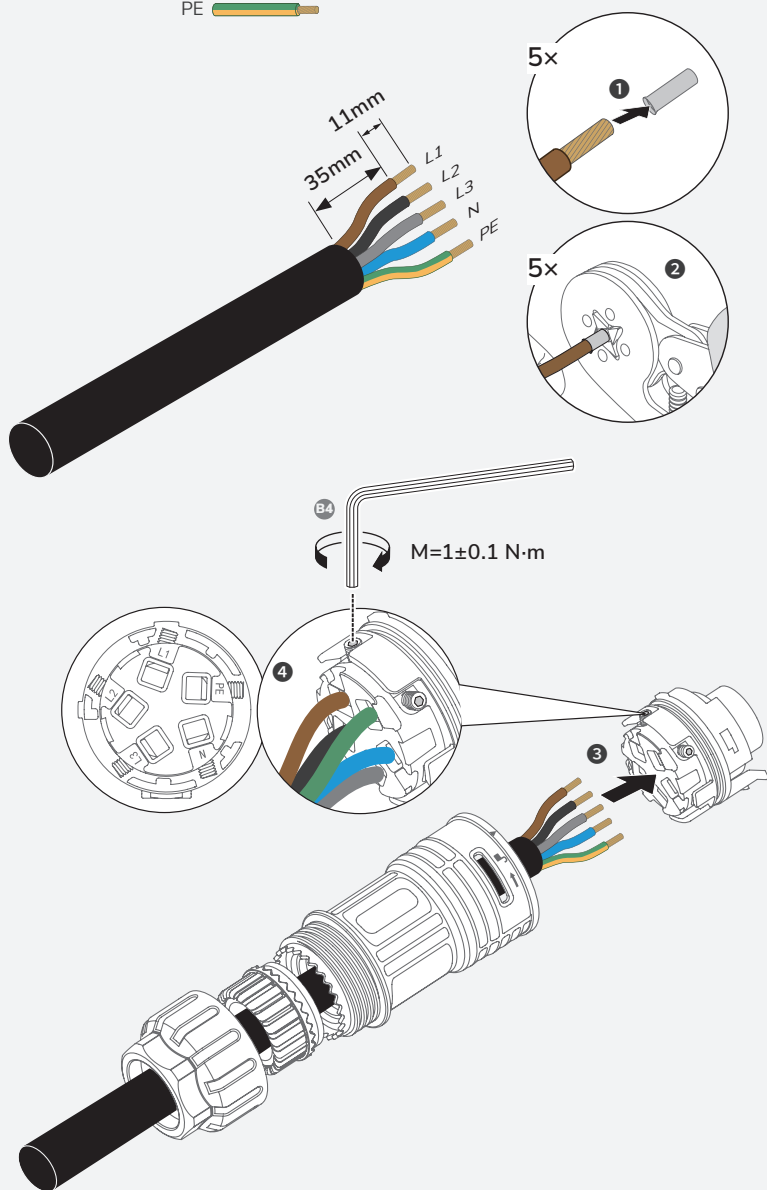
Connection to AC Breaker

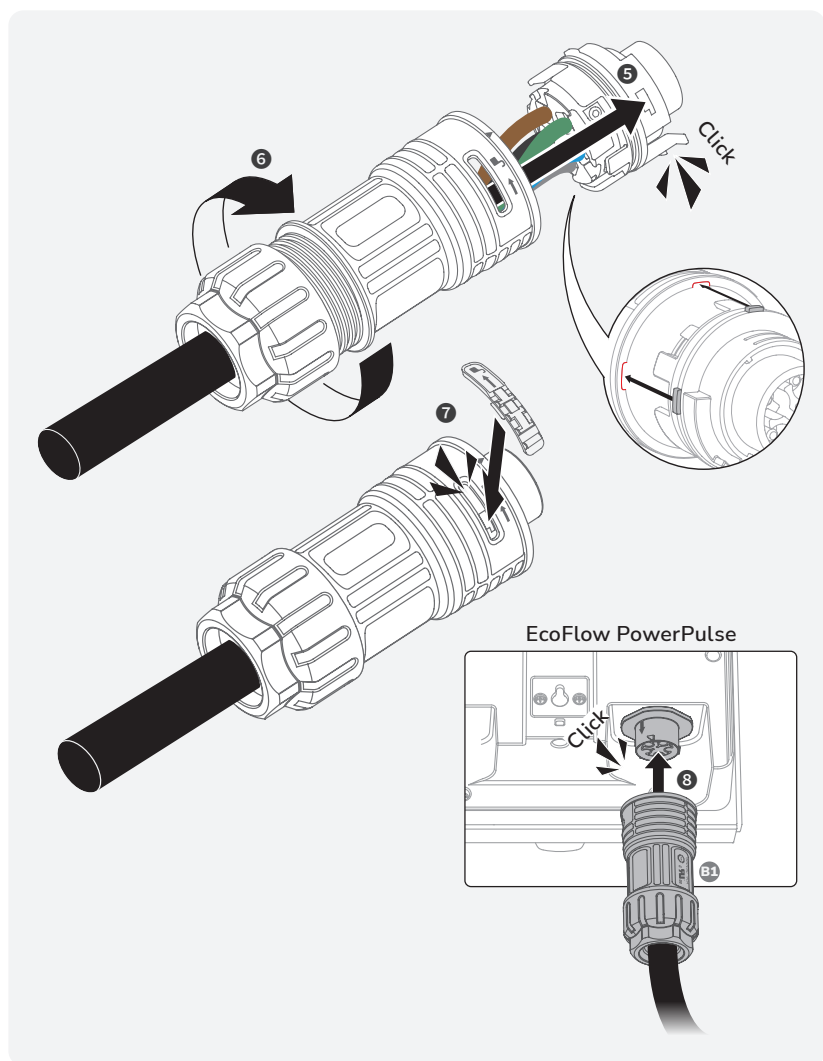


Connection to EcoFlow PowerPulse

Three-phase: L1 L2 L3 N PE

Single-phase: L1 N PE





(Optional) Establishing communication with EcoFlow PowerOcean

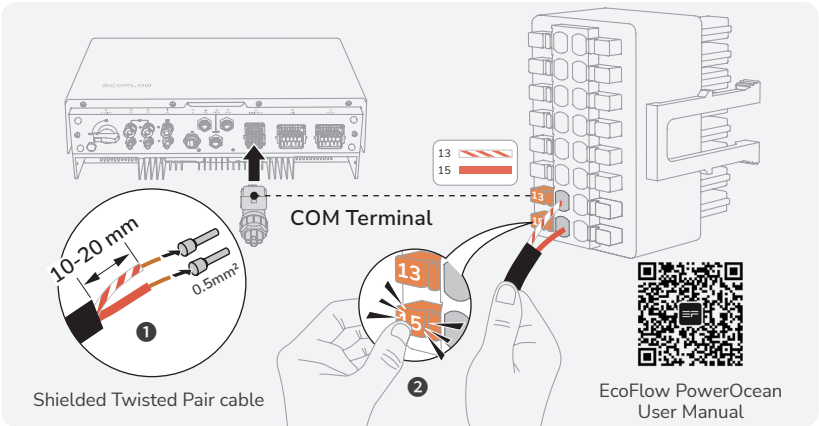
NOTICE

In solar storage charging and standalone operation (solar charging or load balancing) scenarios, EcoFlow PowerPulse must communicate with external devices (EcoFlow PowerOcean or a smart meter) via a shielded twisted pair cable or Wi-Fi.

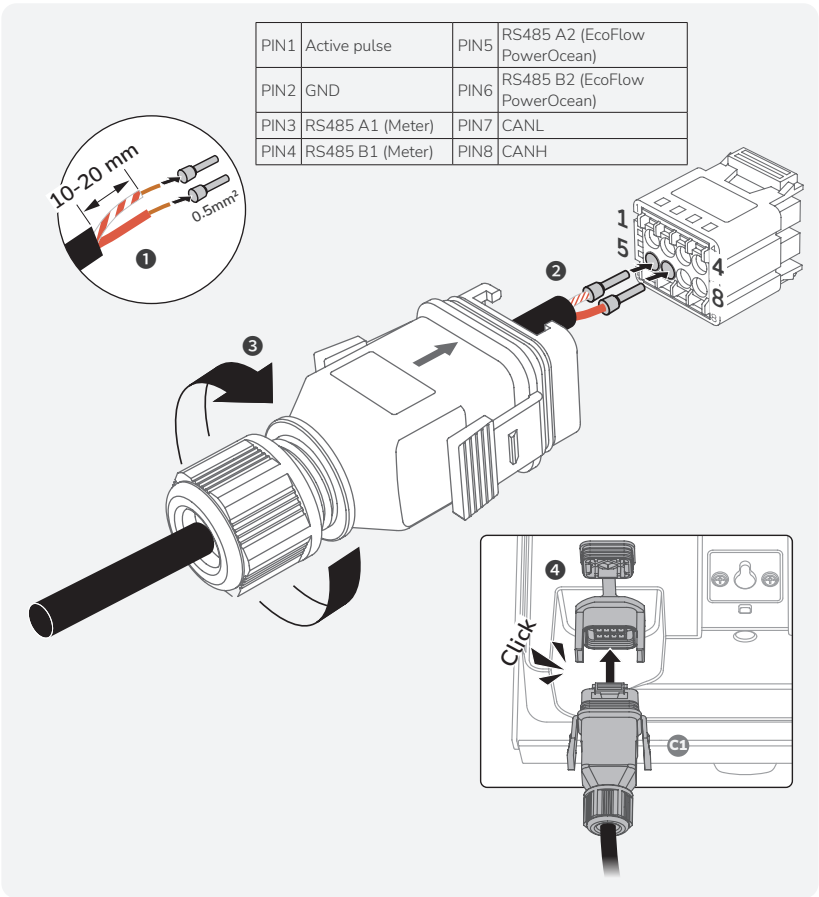
• Method 1: Wired connection (RS485)



Connection to EcoFlow PowerOcean



Connection to EcoFlow PowerPulse



• Method 2: Wireless connection (Wi-Fi)

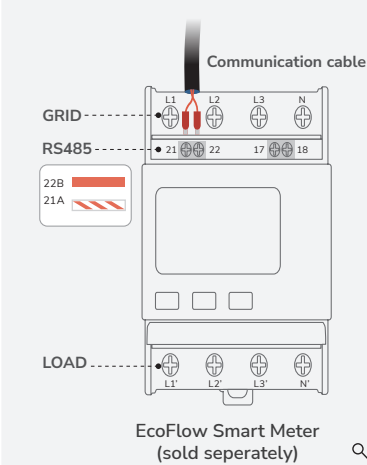
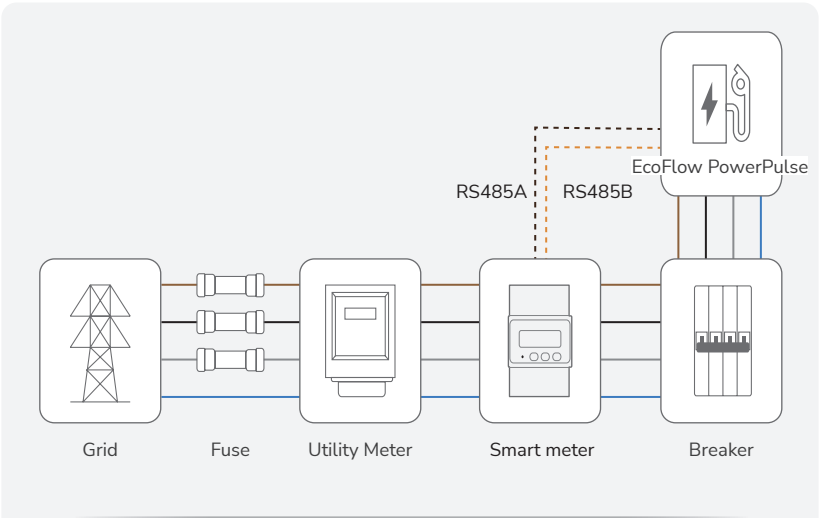


Accessing the same wireless network

Go to EcoFlow PowerOcean **Device Settings** to add device on system component page.

(Optional) Installing Smart Meter

Connection to Smart Meter



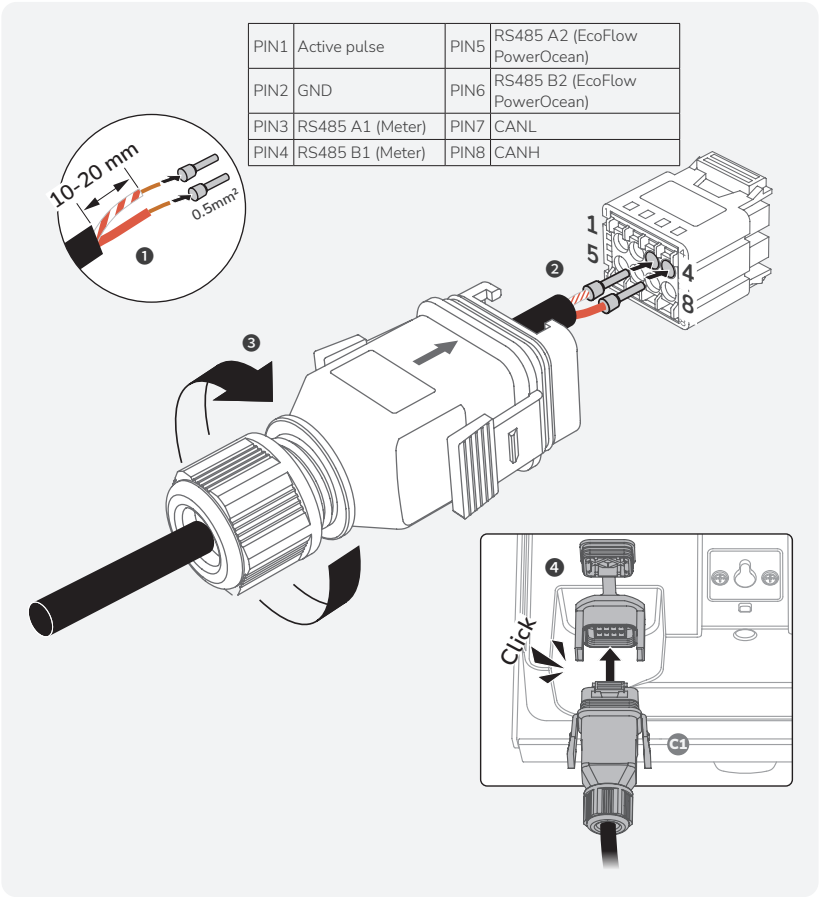
Compatible Meter Models
ADL200N-CT
ADL400
ADL400N-CT
YDM201D
DTSU666



For the latest documents, please scan the QR code or visit:

<https://enterprise.ecoflow.com/eu/documentation>

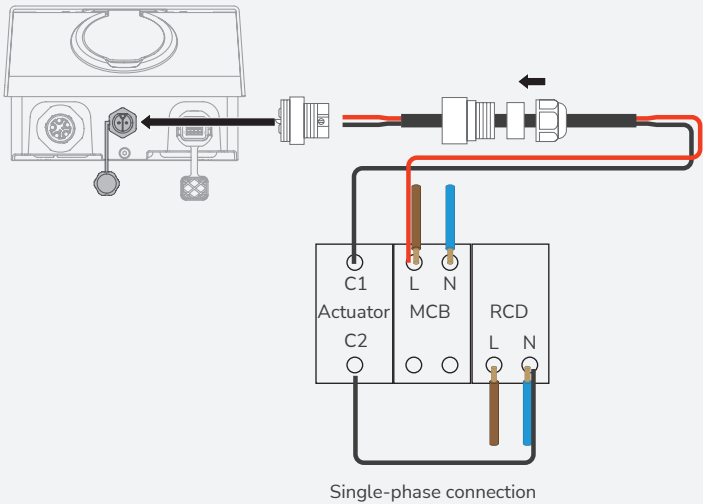
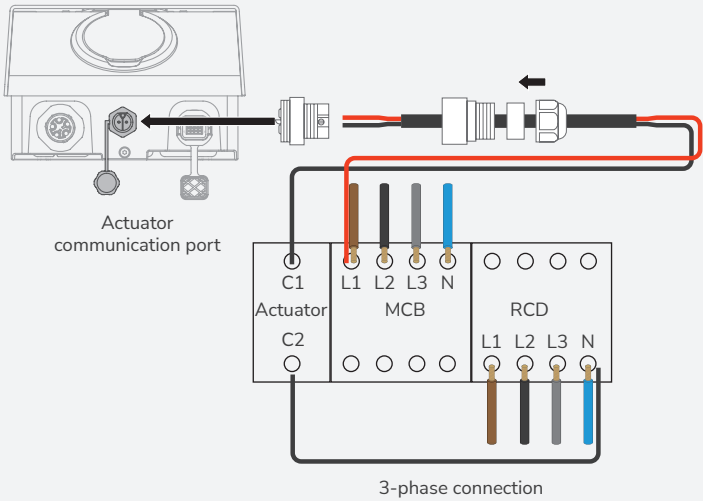
Connection to EcoFlow PowerPulse



Installing a Motorized Actuator (For ITALY and NETHERLANDS version only)

In accordance with the IEC 61851-1 standard, for the Italy and the Netherlands version of the product, in addition to the residual-current devices and thermal-magnetic circuit breakers, an additional motorized actuator (by connecting it to the dry contact) must be installed, which is capable of interrupting the power supply to the EV Charger when it goes into a specific fault state. The mechanical isolating devices to be used for this purpose could be motor controls coupled to the residual-current circuit breaker, trip coils or any other device compatible with that type of contact, as chosen by the installer. See the connection diagram below.

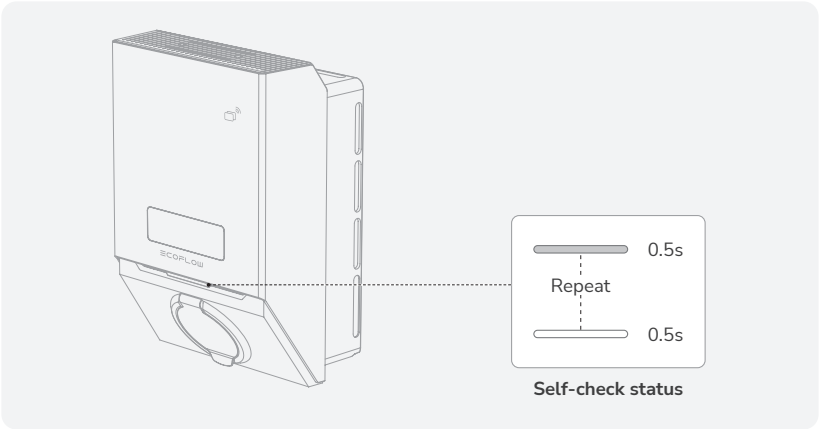




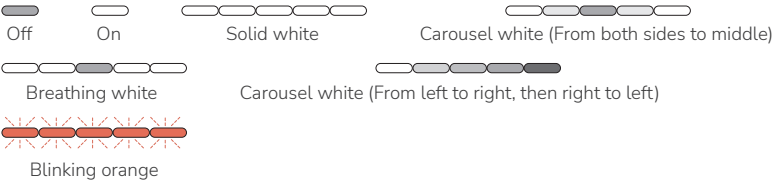
Recommended Devices				
Combination		Product Number	Model	Brand
1	MCB+RCD	A9F28240+A9V56240	iC65H -C40A/2P+VMA 30mA	Schneider
	Mechanical isolating devices	A9A26946	iMX+OF AC-12 6 A at 230 V, AC 50 Hz	Schneider
2	MCB+RCD	A9F28440+A9V56440	iC65H -C40A/4P+VMA 30mA	Schneider
	Mechanical isolating devices	A9A26946	iMX+OF AC-12 6 A at 230 V, AC 50 Hz	Schneider
3	MCB+RCD	A9F28420+A9V56440	iC65H -C20A/4P+VMA 30mA	Schneider
	Mechanical isolating devices	A9A26946	iMX+OF AC-12 6 A at 230 V, AC 50 Hz	Schneider
4	MCB+RCD	2CDS272001R0404+2CSB202101R1400	S202M-C40+DDA202 A-40/0.03	ABB
	Mechanical isolating devices	2CDS200982R0002	S3C-A2	ABB
5	MCB+RCD	2CDS274001R0404+2CSB204101R1400	S204M-C40+DDA204 A-40/0.03	ABB
	Mechanical isolating devices	2CDS200982R0002	S3C-A2	ABB
6	MCB+RCD	2CDS274001R0204+2CSB204101R1250	S204M-C20+DDA204 A-25/0.03	ABB
	Mechanical isolating devices	2CDS200982R0002	S3C-A2	ABB
7	MCB+RCD	5SY4240-7CC+5SM2322-6	5SY4240-7CC+5SM2322-6	Siemens
	Mechanical isolating devices	5ST3030	5ST3030	Siemens
8	MCB+RCD	5SY4440-7CC+5SM2342-6	5SY4440-7CC+5SM2342-6	Siemens
	Mechanical isolating devices	5ST3030	5ST3030	Siemens
9	MCB+RCD	5SY4420-7CC+5SM2342-6	5SY4420-7CC+5SM2342-6	Siemens
	Mechanical isolating devices	5ST3030	5ST3030	Siemens

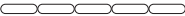
System Power-On

- 1. To energize the PowerPulse, turn ON the branch breaker.
- 2. The product will carry out self-check automatically.
- 3. The product is ready to use after self-check completes.



LED Indicator



Indicator status	Indications
 For 30 seconds, then OFF	Standby/Charging cable plugged in, but not yet charging.
	Charging
	InsufficientPV power, charging suspended
	Firmware upgrade/Self check
	Error occurs. See the LCD display for more information, or check it on the device page of EcoFlow App

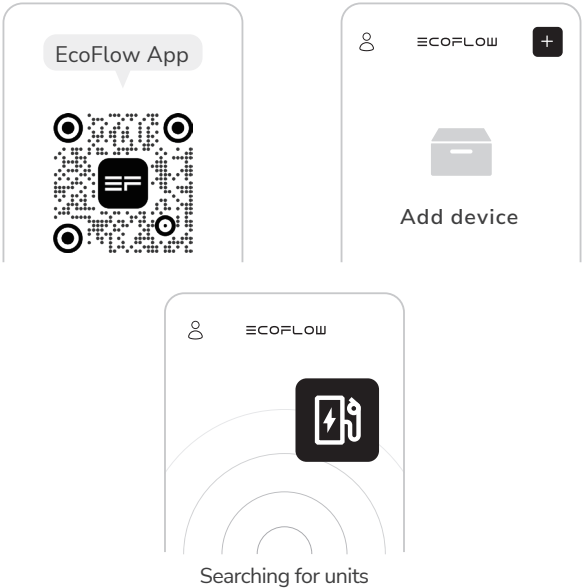
LCD Display



Icons		Indications
Metering module	VER	Software version
	CRC	Check bit
	kWh	Total electricity consumption
Relay	RLY OFF	Relay on/off
Network communication	Wi-Fi	Wi-Fi connected
	Bluetooth	Bluetooth connected
Access to energy storage system	Home	Access to EcoFlow PowerOcean system
Error	! 888	Error code
Power supply	PV	PV input
	Grid	Grid power input
	Battery	Battery input
Charging	Lightning bolt	Charging
	II	PV power insufficient, charging suspended
	88.8 A	Input current
	888.8 V	Input voltage
	88.8 kW	Output power
	100 %	EV SOC
	100 kWh	Output energy
	88:88	Accumulated charging hours

Charging mode		Solar mode
		Fast charging mode
		Manual mode
		Smart mode

App Control



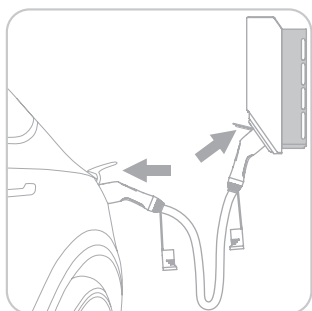
NOTICE Go to  Device Settings to share your PowerPulse with other EcoFlow app users.

Charge Your EV

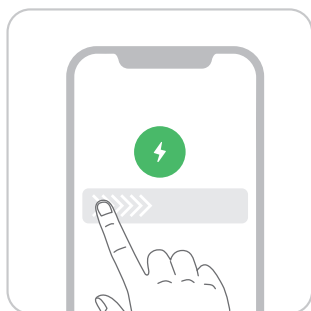
• Method 1: Via EcoFlow App

- NOTICE**
- Charging cable is not included in the scope of delivery. Please use charging cable that has been certified by IEC 62196-2 and meets the requirements of the standard.
 - You can also purchase a charging cable that is officially authorized for use with EcoFlow.
 - If the product is damaged by using a charging cable that is not officially authorized for use with EcoFlow or required by IEC 62196-2 certification standards, it will not be covered by the warranty.

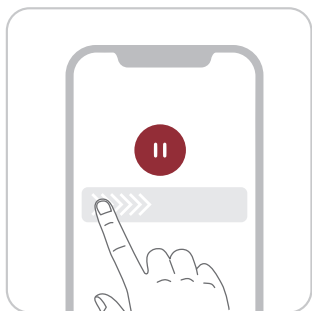
WARNING Do not use adapters or extensions not specified by the EV manufacturer as they may damage the product and create safety hazards for the user.



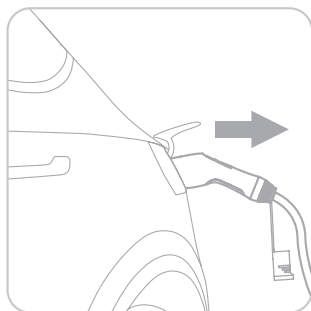
①



②



③



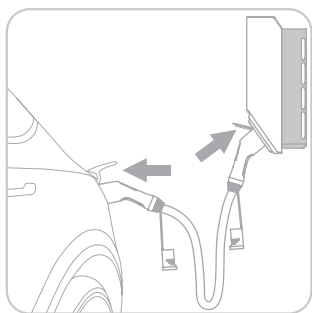
④

- ① Plug one end of your charging cable (not included) into the PowerPulse's EV Charging AC Socket Outlet and the other end into your EV charging port.
- ② Tap ON to charge.
- ③ Tap OFF to stop.
- ④ Unplug both ends of the charging cable from your PowerPulse and EV.

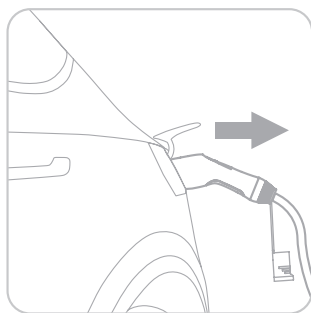
• Method 2: Plug and Play

NOTICE

Go to  **Device Settings** of EcoFlow App to enable plug and play function.



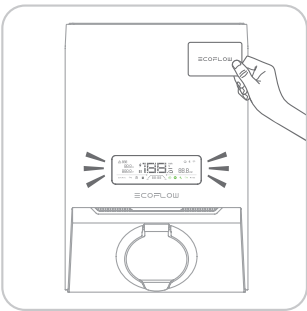
①



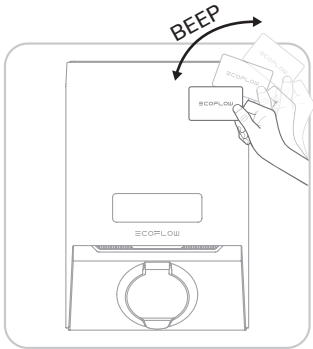
②

- ① Plug one end of your charging cable (not included) into the PowerPulse's EV Charging AC Socket Outlet and the other end into your EV charging port.
- ② Unplug both ends of the charging cable from EcoFlow PowerPulse and EV.

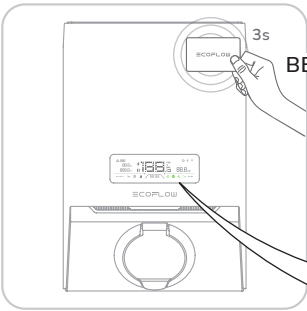
• Method 3: Using Charging Card



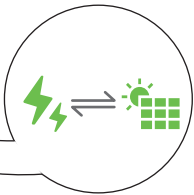
①



②



③



- ① Locate the contactless symbol  on the top right of the EV charger. Hover the included charging card over the contactless symbol  for identification to light up LCD display. If the identification fails, you will hear "BEEP BEEP BEEP".
- ② To charge or to stop charging, hover your charging card over the contactless symbol  and move it away after you hear one short "BEEP".
- ③ To change charging modes between solar mode and fast charging mode, hover your charging card over the contactless symbol  for 3 seconds until you hear a long "BEEP", which indicates that charging mode is changed successfully, as you can see on the screen of your PowerPulse.



Raccolta carta

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