EVTEC Home Installation Guide
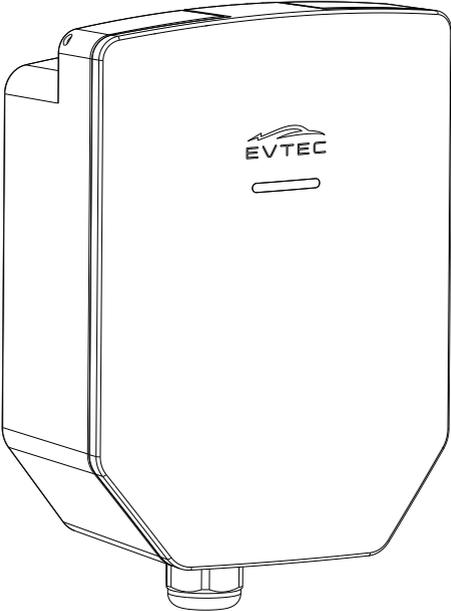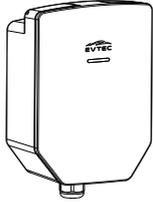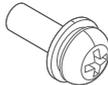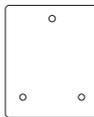
Table of contents

Package contents

PLease check the items you received against the packing list below. If anything is missing or incorrect, feel free to contact us.

Item	Icon	Quantity
EV charger		1
Torx key		1
Cable clamp		1
M4*12 screw		2
Wall plug		3
Wall mounting screw		3
Rubber seal cap		1
Front cover retainer		1
Mounting template		1

Product overview

Front cover

Reset button

Service access panel

Core box

Charging socket

LED indicator
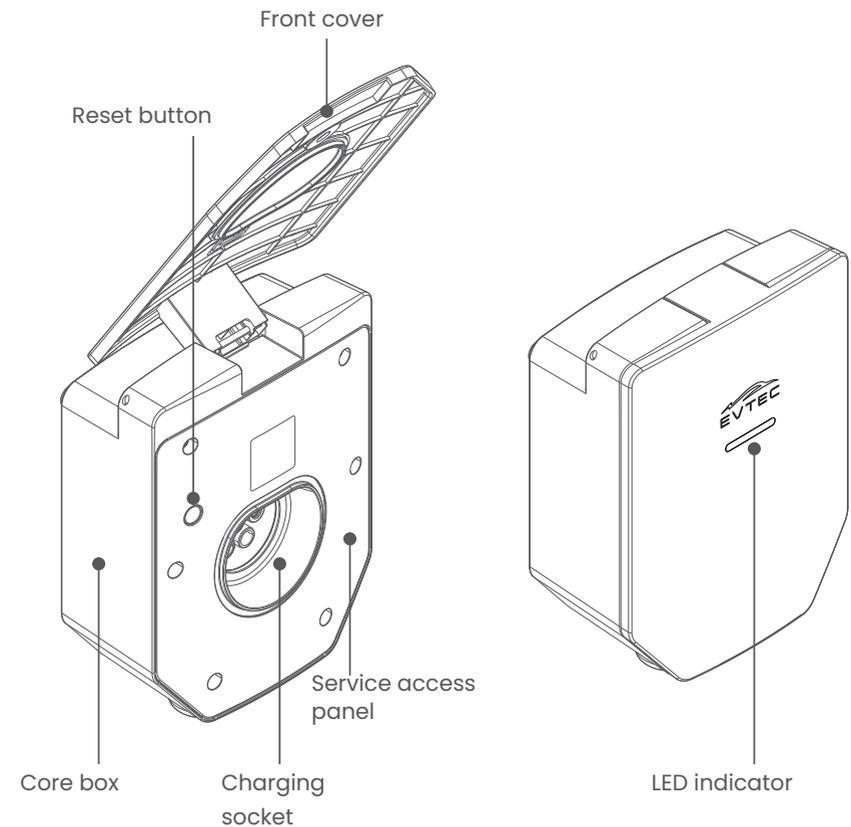
Installation

Ensure you have prepared the required tools and materials before installation.

Required tools

- Tape measure
- Crimping tool
- Spirit level
- Marker
- Wire stripper
- Utility knife
- Adjustable wrench (12-inch)
- Cable cutter
- Multimeter
- Drill (Drill bit: Φ6mm)
- Insulated gloves
- Safety glasses
- Torque wrench
- Hammer
- Torx key (provided comes with charger)
- Phillips screwdriver

Required items

- RJ45 connector (Standard)
- Network cable: Cat5e
- Power cable: 6mm^2
- RCBO: 40A, 230VAC, 1P+N, 30mA, Type A

Installation process

1. Prepare installation site

Tools:

- Drill
- Level
- Tape measure
- Marking tool
- Hammer
- Screwdriver

Materials:

- Wall plugs (*3)

Steps:

1. Use a tape measure to mark the recommended installation height on the wall.
2. Align the charger's mounting template on the wall. Use a spirit level to ensure it is straight, then mark the drilling points through the template holes.
3. Drill holes (Depth: 70mm) at the marked points. Insert wall plug into the holes using a hammer.
4. Insert a wall mounting screw into the upper wall plug and keep a 5mm gap between the screw head to the wall surface.
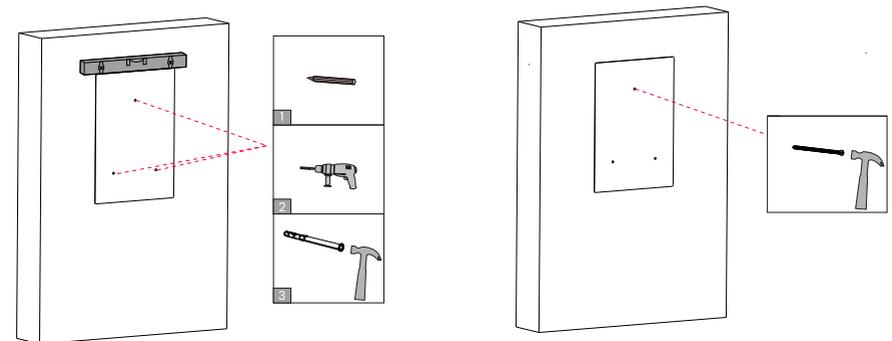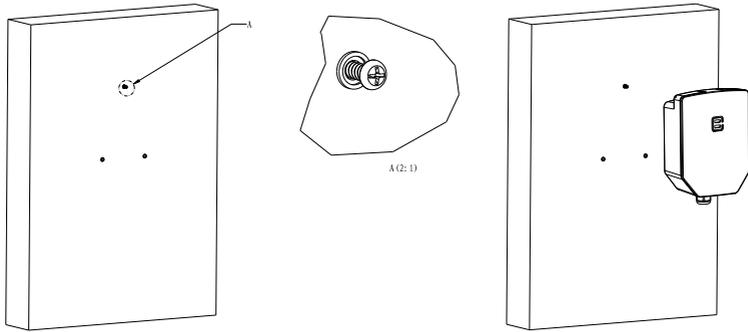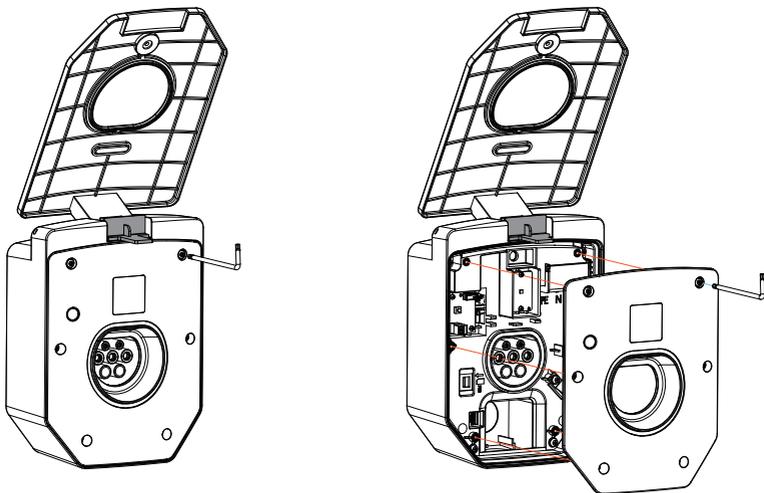
2. Remove the service access panel

Tools:

- Torx key

Material:

- Front cover retainer (*1)

Step:

1. Hang the charger on the protruding screws on the wall.
2. Open the front cover and secure it using the front cover retainer.
3. Use the torx key to loosen the six captive screws securing the service access panel.

3. Securing the charger to the wall

Tools:
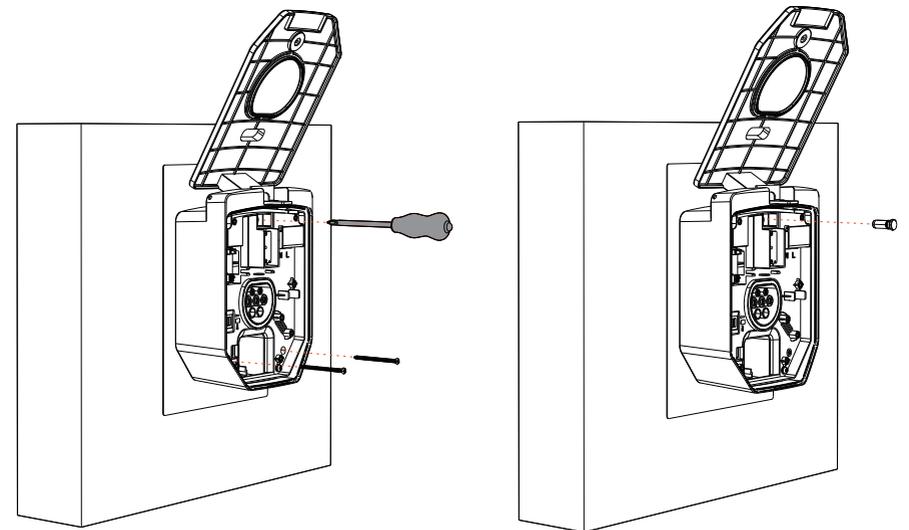
- Phillips screwdriver

Materials:

- Wall mounting screws (*3)
- Seal cap (*1)

Steps:

1. Secure the lower two mounting screws.
2. Secure the upper wall mounting screw.
3. Plug the rubber seal cap into the upper wall mounting hole.

4. Power cable connection

Tools:

- Cable cutter
- Wire stripper
- Screwdriver
- Crimping tool
- Utility knife
- Adjustable wrench
- Torx key

Materials:

- Wire ferrule (*3)

Steps:

1. Loosen the gland using the adjustable wrench.
2. Strip the wire insulation and insert the exposed conductor into the wire ferrules (not required for solid stranded cables).
3. Use the crimping tool to secure the ferrules.
4. Loosen the screws securing the wires in the terminal block.
5. Open the screw flap (image below) , terminate the wires and close the flap.
6. Use the cable clamp to secure the cable routing.
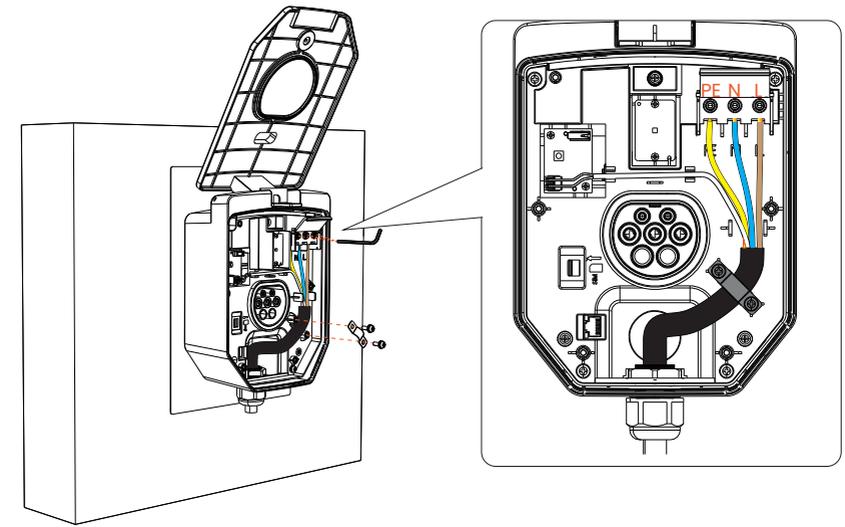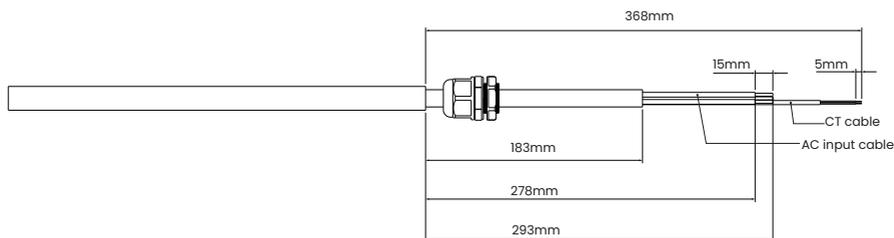
5. CT connection (If required)

Note: CT Clamp is not a standard accessory. Please skip this step if not provided separately.
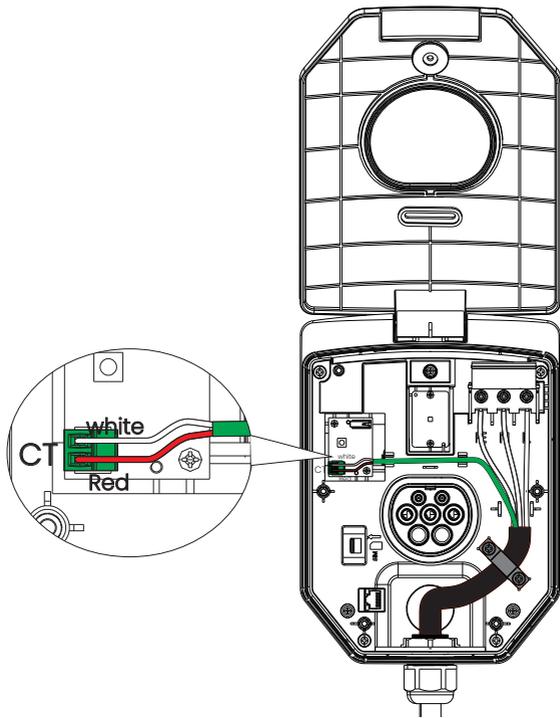
Tools:

- Wire stripper

Material
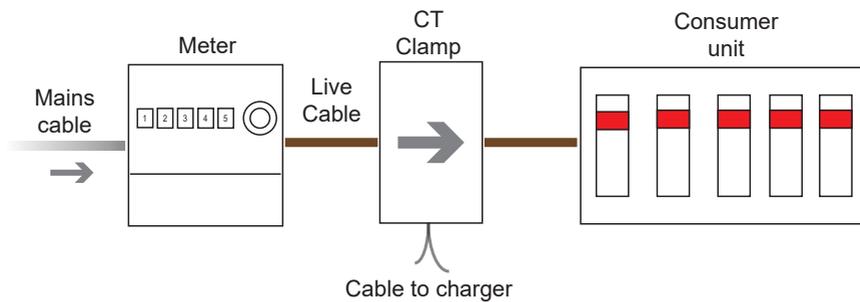
- CT connector (*1)
- CT clamp(*1)

Steps:

1. Insert the CT cable through the cable inlet.
2. Strip the outer cable insulation using a wire stripper.
3. Loosen the screws in the CT connector plug.
4. Insert the wires into the two ports of the connector plug then fasten the screws to secure the wires.
5. Plug the connector plug into the CT port (image below).

CT white
    Red

The CT clamp should be positioned around the Live (positive) cable between the Meter and the Consumer Unit.

The arrow shown on the CT clamp must point in the direction of electrical flow TOWARD the consumer unit.

Mains cable — Meter [1 2 3 4 5 ○] — Live Cable — CT Clamp → — Consumer unit — Cable to charger

## 6. Network cable connection (if required)

Tools:

- Wire stripper
- Utility knife
- Crimping tool

Material:

- RJ45 connector
- Network cable

Steps:

1. Insert the network cable through the cable inlet.
2. Strip the outer cable insulation using a utility knife/wire stripper.
3. Strip the inner wires using a wire stripper.
4. Insert the wires into an RJ45 connector and use the crimping tool to secure them.
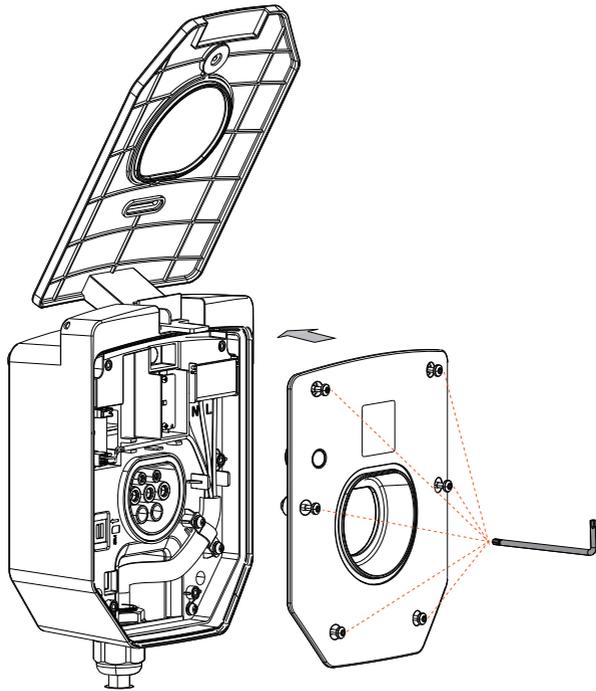5. Plug the RJ45 connector into the designated port.

RJ45 Port
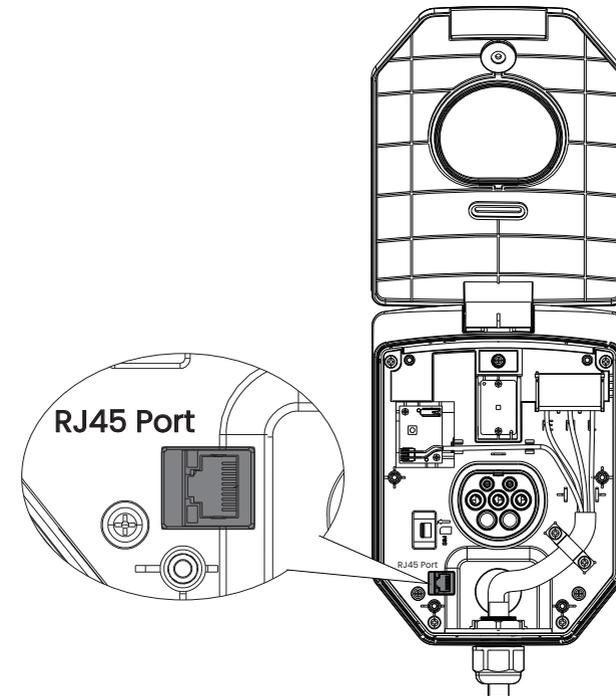
7. Final installation step

Tools:

- Torx key

Steps:

1. Place the service access panel back in position.
2. Secure it with screws.
3. Remove the front cover retainer and close the front cover.

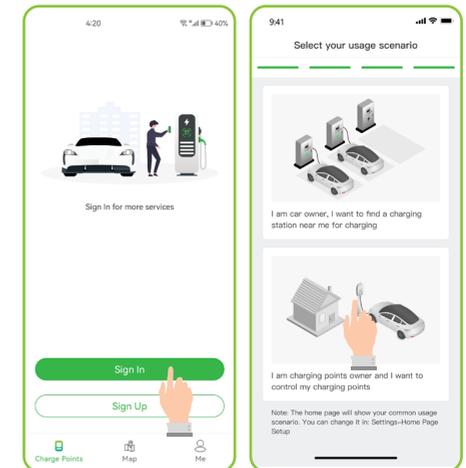# Configure network for the charger

Download Evchargo App

Download the commissioning App.

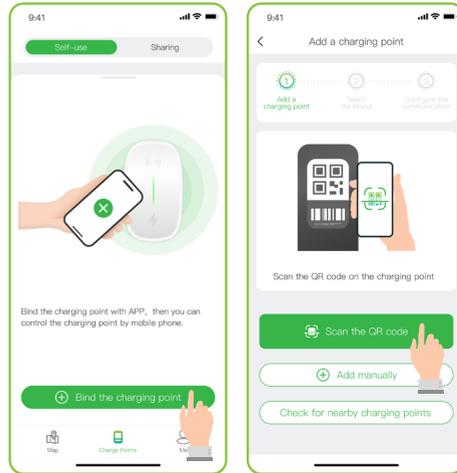Scan the QR code to download the Evchargo app

Sign in

1. Open the app and tap "Sign Up" to create a new account.

2. Enter your E-mail address, set a password and confirm your details.

Charger commissioning

1. In the Evchargo app, tap 'Bind the ChargePoint'.

2. Tap 'Scan the QR Code'.

3. Scan the Evchargo QR code found in the manual or on the charger label.

4. The QR code scanning will direct you to the AP mode login page.

5. Enter the 4-digit PIN code.

Note: The PIN code can be found on either in the last page of this manual or label on charger.
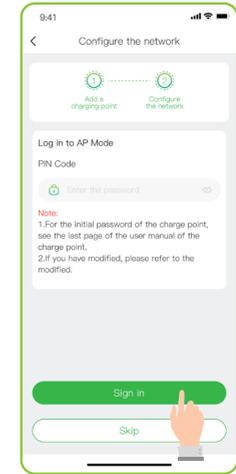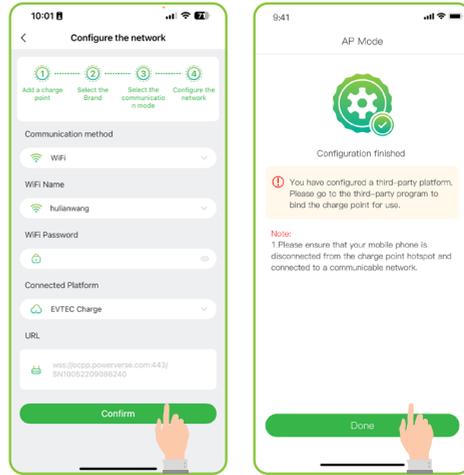

6. Configure the network details and confirm.

Note: If you need to connect your charger to a third party platform(if required), you can tap the down arrow in the connected platform menu and choose the platform.
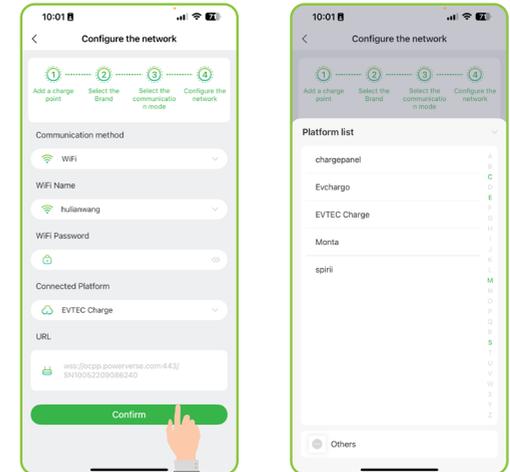
7. Configure the network details and confirm.

Charger commissioning is completed. Please follow the next steps to download the charging app and start charging.

Charging by App

Please let the end user install the EVTEC Charge App below.

Specification

Model		EVTEC Home
Input	Power Supply	1P+N+PE
	Rated Voltage	230V AC±10%
	Rated Current	32A
	Frequency	50HZ
Output	Output Voltage	230V AC±10%
	Maximum Current	32A
	Output Power	7kW
Structure Design	Charging Outlet	Type 2 socket
	Housing Material	PC
Communication	Wi-Fi	Wi-Fi(2.4GHz)
	4G	4G
	Ethernet	Ethernet
	Protocol	OCPP 1.6J
Security Protection	RCD	30 mA Type A+6mA DC
	Ingress Protection	IP54
	Impact Protection	IK08
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over temperature protection PEN-fault
Certification	Certification	UKCA, RoHS
Environmental Index	Installation	Wall-mount/Post mount
	Work Temperature	-30 ℃~+50℃
	Work Humidity	5%~95%
	Work Altitude	<2000m
	Cooling Method	Natural cooling
	Application Site	Indoor/Outdoor
Package Information	Product Dimension	178mm x 240mm x 99mm (W*H*D)
	Package Dimension	320mm x 260mm x 155mm (L*W*H)
	Gross Weight	2.4Kg
	Net Weight	1.8Kg

PIN CODE