X1

Single Phase
EV CHARGER

Type 2
SOCKET

IP54
RATED

IK08
RATED

Easy to
INSTALL

50 / 60Hz
AC POWER

Safe &
EFFICIENT

240x115x130mm
DIMENSIONS



7kW / 32A
SINGLE PHASE
EV CHARGER

DATA SHEET

SEVR-EVX1

Version 16

SEVR

sevr.com.au

X1

7KW EV CHARGER



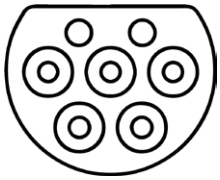
RCM CE

Description

Designed for Australians, this single phase EV charger boasts a sleek, compact design, perfect for discreet residential installation. Compatible with all EV car models, ensuring a safe and reliable charging experience. It boasts high-quality construction backed by a three-year warranty. With easy installation by a licensed electrician, the charger operates on a single-phase power supply, making it an ideal choice for home charging needs. It carries an IP54 rating for weather resistance and an IK08 durability rating. Featuring a convenient Type 2 outlet, it allows users to effortlessly plug in the 5m cable *sold separately (or any other Type 2 cable when needed). Enjoy seamless charging without compromising on style and convenience. Automated load management can be enabled by adding on the CT Clamp accessory*. The EVX1 can even be internally adjusted from 2.2-7.4kW during installation to reduce its maximum output to meet any local requirements.

Cable, Plugs, Connectors & Accessories

Type 2 plug



X1 Cable Hanger



X1 5m Cable



***Accessories sold separately**

General	Details
Dimensions	240 x 130 x 115 mm (H x W x D)
Operating Temperature	-30 °C to +50 °C
Weight	1.4 kg
Construction	PC plastic body
Charging	**Details**
Charging Power	Single-phase: up to 7.4 kW/32 A*
Connection Point	Type 2 cable (IEC 62196-2)
Voltage	230 V ±10%, single phase
Mains Frequency	50/60 Hz
Built In Energy Meter (±2%)	
Connectivity	**Details**
Built-in WiFi	2.4G & 5GHz Bluetooth 5.2
Protection	**Details**
Integrated protection for open/break fault conditon in supply PEN conductor according to BS 7671:2018/A1:2020	
Built-in RDC-DD for ground fault protection (30 mA AC/6 mA DC)**	
UVP, OVP, RDC-DD, SPD, Ground Fault Protection, OCP, OTP, Control Pilot Fault Protection	
Degree of protection	IP54
Impact resistance	IK08 (FRONT COVER ONLY)
Standards	IEC/EN 61851-1, 62196-2
Certifications	CE, RCM
Warranty	36 months

*Charging power

**Built in RDC

IMPORTANT SAFETY INSTRUCTIONS

Read and follow all warnings and instructions before installing and operating the product.

⚠ **WARNING:** To avoid fire, injury or death, carefully read and follow the instructions during installation, operation and maintenance.

-DO NOT put fingers into the electric vehicle connector.

-DO NOT use the product if the flexible power cord or EV cable is frayed, insulation-broken, or any other signs of damage.

-DO NOT use the product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.

-DO NOT remove cover or attempt to open the enclosure because of risk of electric shock

-DO NOT install the product near flammable, explosive, or combustible materials.

⚠ **WARNING:** The product should be supervised when used around children.

⚠ **WARNING:** The product must be grounded.

⚠ **WARNING:** To avoid a risk of fire or electric shock, do not use this device with an extension cord.

⚠ **WARNING:** Disconnect electrical power prior to installing the product.

⚠ **WARNING:** Be sure to preview the user manual and ensure local building and electrical codes are reviewed before installing the product.

⚠ **WARNING:** The product should be installed by a licensed electrician according to the user manual and local safety regulations.

⚠ **WARNING:** Do not under any circumstances make alterations to the product. Any disregard of this instruction represents a safety risk, fundamentally breaches the warranty provisions and may void the warranty with immediate effect.

❗ **CAUTION:** Use appropriate protection when connecting to the main power distribution cable.

❗ **CAUTION:** Type A, RCBO with the rated current for charger should be installed

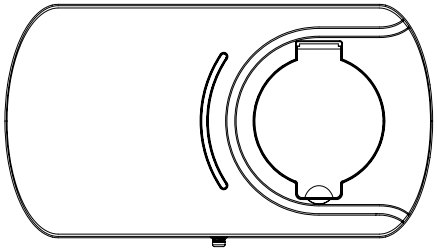
❗ **CAUTION:** Do not put heavy objects on the charger to avoid damage.

❗ **CAUTION:** Do not cover the product with stickers or other objects or materials.

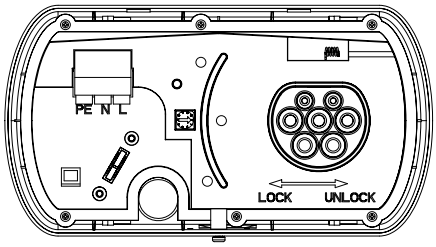
❗ **CAUTION:** The device must not be installed in close vicinity to running water, water jets or areas subject to flooding.

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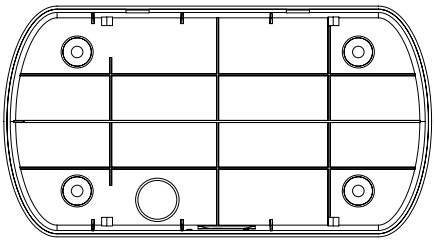
Product Overview



Front Cover
Protects the electronics from external damage



Charge Hub
Contains the electronics of the EV charger



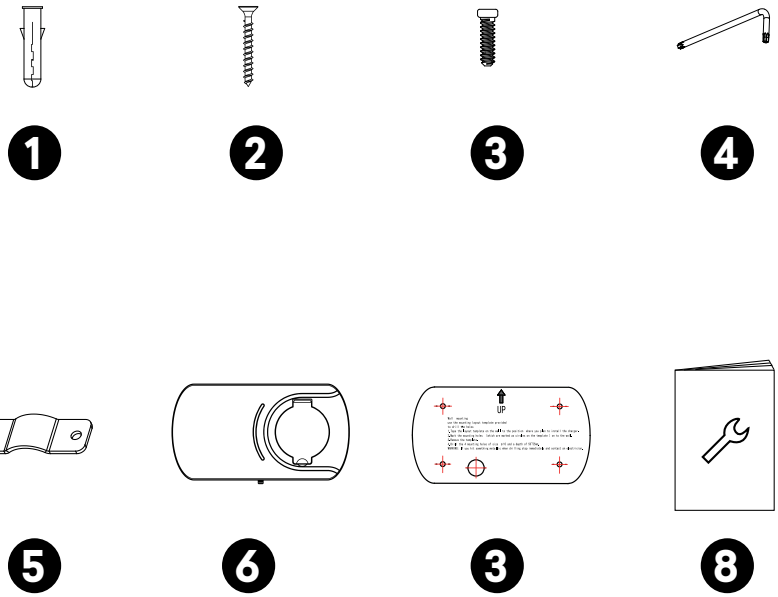
Backplate
For attaching and connecting to the charging infrastructure

Installation Preparation

Verify contents

Check the box to ensure you have the user manual, and these parts:

1. Ø10 expansion screws x4
2. M6 screws x4
3. ST3.5 screws x 2
4. Torx Allen Wrench x1
5. Strain relief x1
6. Charging station x1
7. Mounting template x1
8. User manual x1



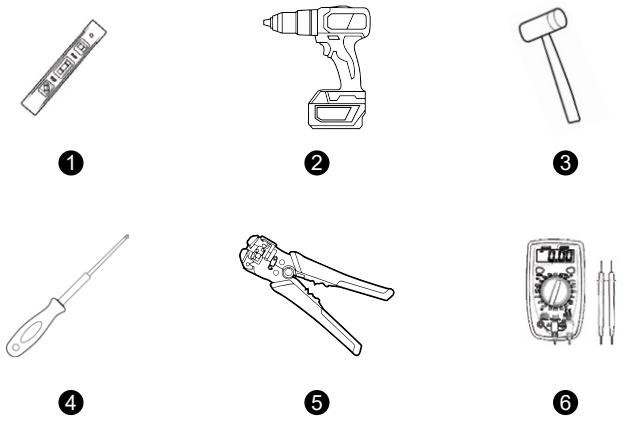
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Installation

Required equipment

In addition you will need the following tools and accessories:

1. Level
2. Drill
3. Hammer
4. Phillips head screwdriver
5. Wire stripper
6. Voltmeter or digital multi-meter (for measuring AC voltage at the installation site)
7. Security torx screwdriver



Circuit protection options

Circuit breaker/Residual current device is to be selected in accordance with relevant Australian standards.

Circuit Breaker Options Table	
	Single Phase
Output Amperage (A)	Up to 32A
Circuit Breaker Options (A)	To be assessed on site based on relevant Australian standards

⚠ **WARNING:** This device must be grounded. Disconnect electrical power prior to installing the charging station.

⚠ **WARNING:** Please use the charger properly. Do not hit or press hard on the enclosure. If the case is damaged, please contact a professional technician.

⚠ **WARNING:** Improper connection of the equipment-grounding conductor would result in a risk of electric shock. Check with a licensed electrician if you are not sure whether the product is properly grounded. Do not modify the plug if it doesn't fit the outlet, have a proper outlet installed by a qualified electrician.

ⓘ **CAUTION:** Use appropriate protection when connecting to the main power distribution cable.

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Residual Direct Current - Detective Device

- An RDC-DD is a Residual Direct Current - Detective Device; this is often built within a the car charger equipment to monitor and if necessary disconnect should any DC problems occur on the AC side of the installation, which could effect the operation of the RDC's or RCBO's.

Residual Current Device (RCD)

1. A Residual Current Device is integrated in the product.
2. The RCD will break the current if a residual current exceeding 30mA AC is detected in the circuit.

An external RCD is required when at least one of the below conditions are identified:

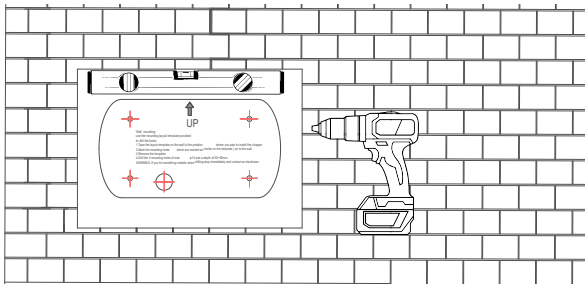
- The installation, including cable, junction boxes etc., Includes components with only basic insulation (Class I).
- Any other electrical equipment apart from the charging station, including lamps and socket outlets, is connected to the circuit.
- Any other conditions identified by the authorised installer requiring an external RCD.
- As a requirement of any relevant Australian standards or service installation rules of local authorities documentation calls for its installation

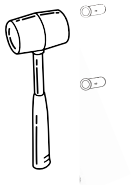
Installation Guide

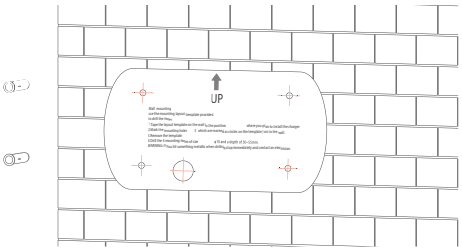
STEP 1: DRILLING

1. Make sure the charging station is straight and fixed at the appropriate height (1100-1200mm) from the ground.
2. Drill 4 Screw Holes with a diameter of 10mm and a depth of 50mm~65mm by using the included mounting template.
3. Please drill screw holes in the direction of the template arrow.
4. Use a rubber hammer to fix the expansion screws into the holes.

1







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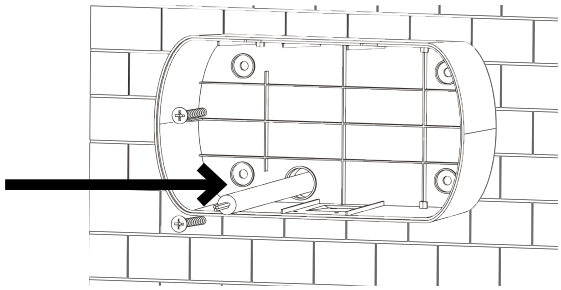
STEP 2: BACKPLATE MOUNTING

You have two options to install the feed cable:

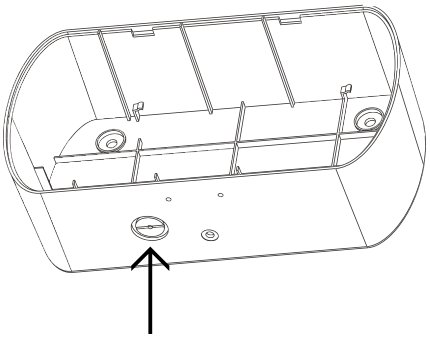
Option 1: Through the back plate.

Option 2: Through the downward facing side of the backplate (Note: Ensure to use a maximum Ø20mm plain to screw adaptor for bottom conduit entry)

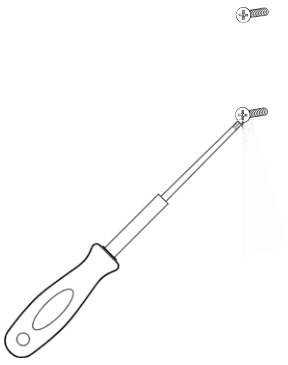
Option 1 - Rear entry

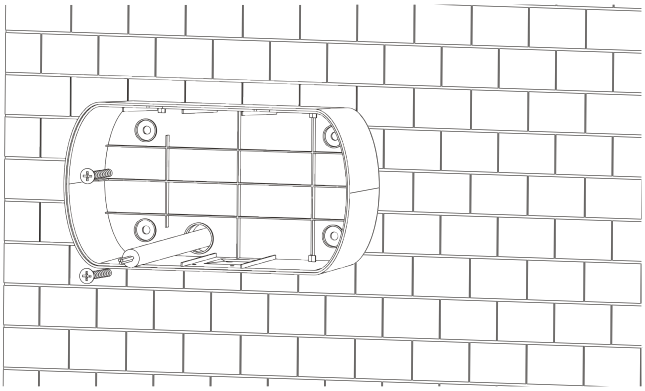


Option 2 - Bottom entry



2. Using the 4x M6 Screws from installation kit and use a Phillips screwdriver to tighten the screws to secure the backplate on the wall.

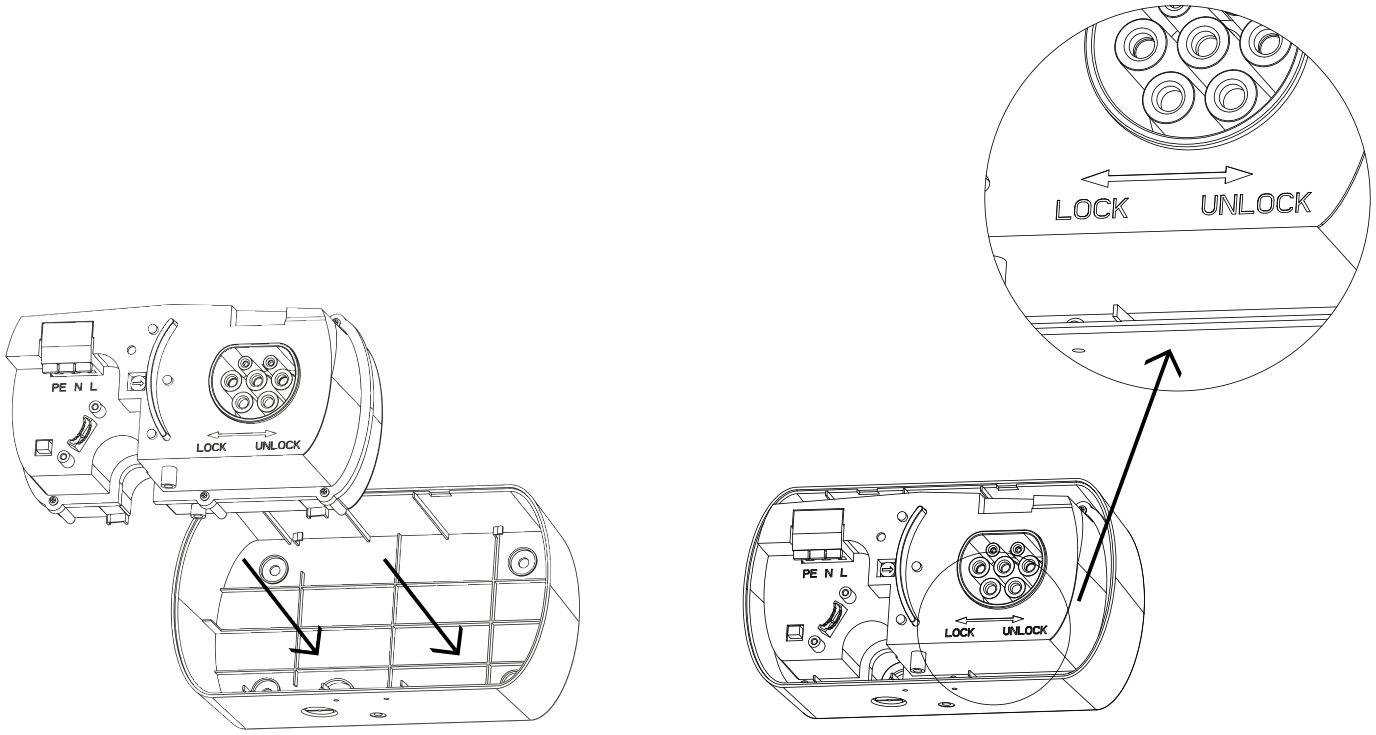




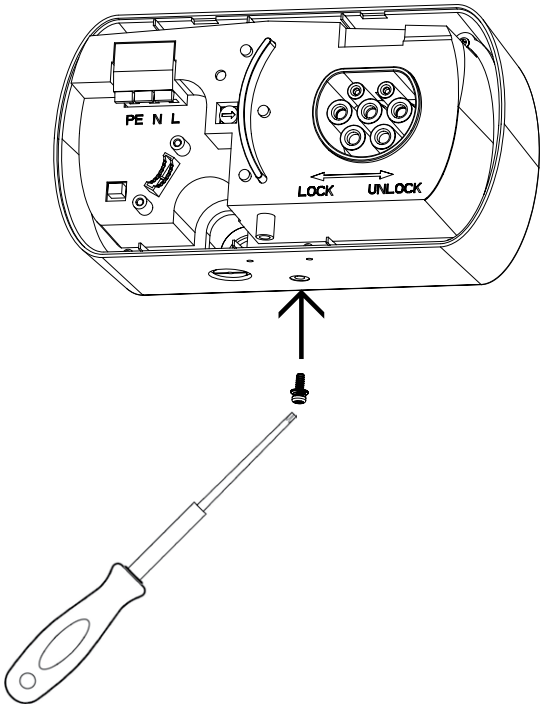
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STEP 3: ATTACHING CHARGING HUB

1. Install the charging hub into the backplate, follow the lock mark on the hub, and slide to the left to click tight.



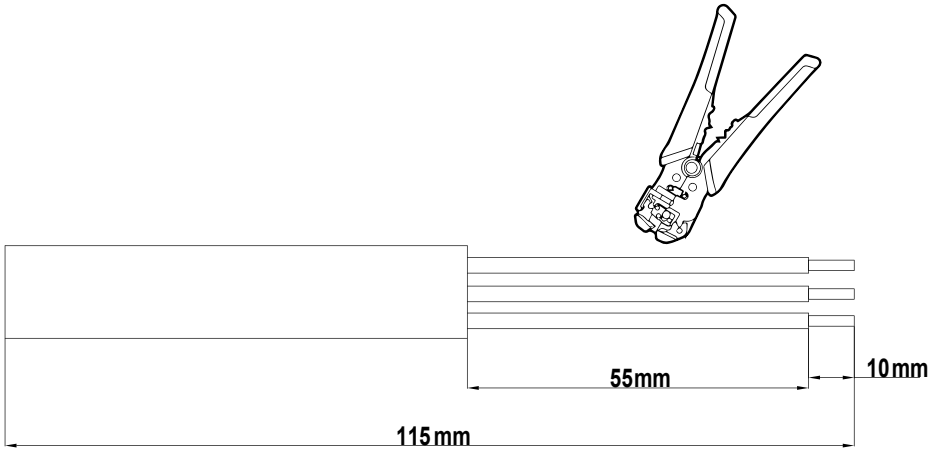
2. Secure the charging hub with one M4 screw from the bottom.



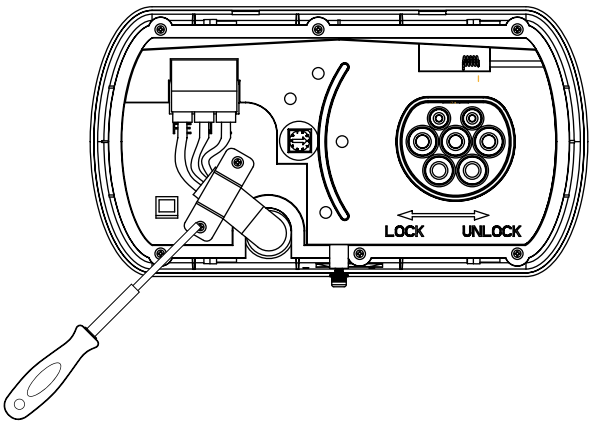
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STEP 3: CHARGING HUB

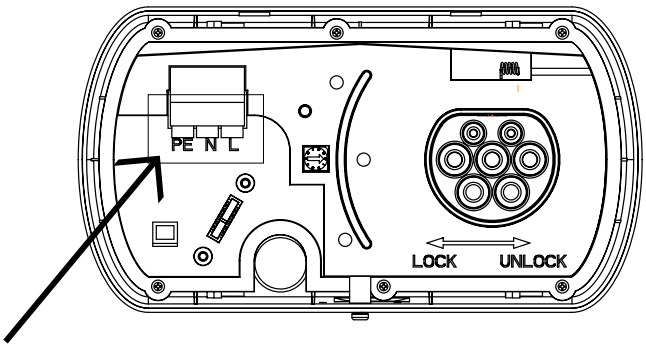
1. Use a wire stripper to strip the TPU cover by 55mm first, then strip individual wires by 10 mm.



2. Secure the power cable to the charging hub with the strain relief provided by 2 ST3.5 screws.



3. Open the wire connectors, follow the wire labels to connect the wires before firmly pressing down all levers.

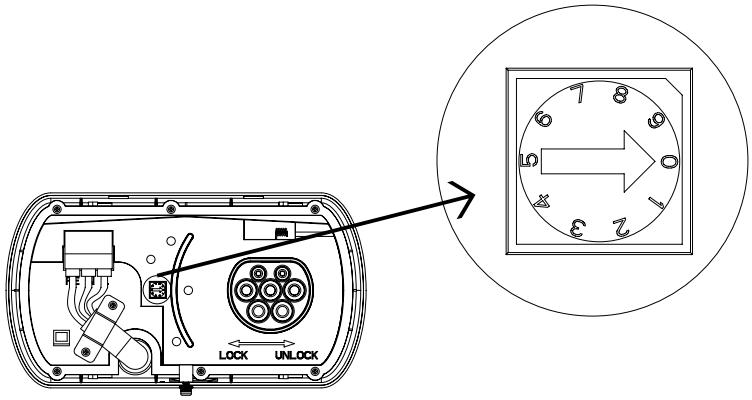


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STEP 5: CHARGER CONFIGURATION

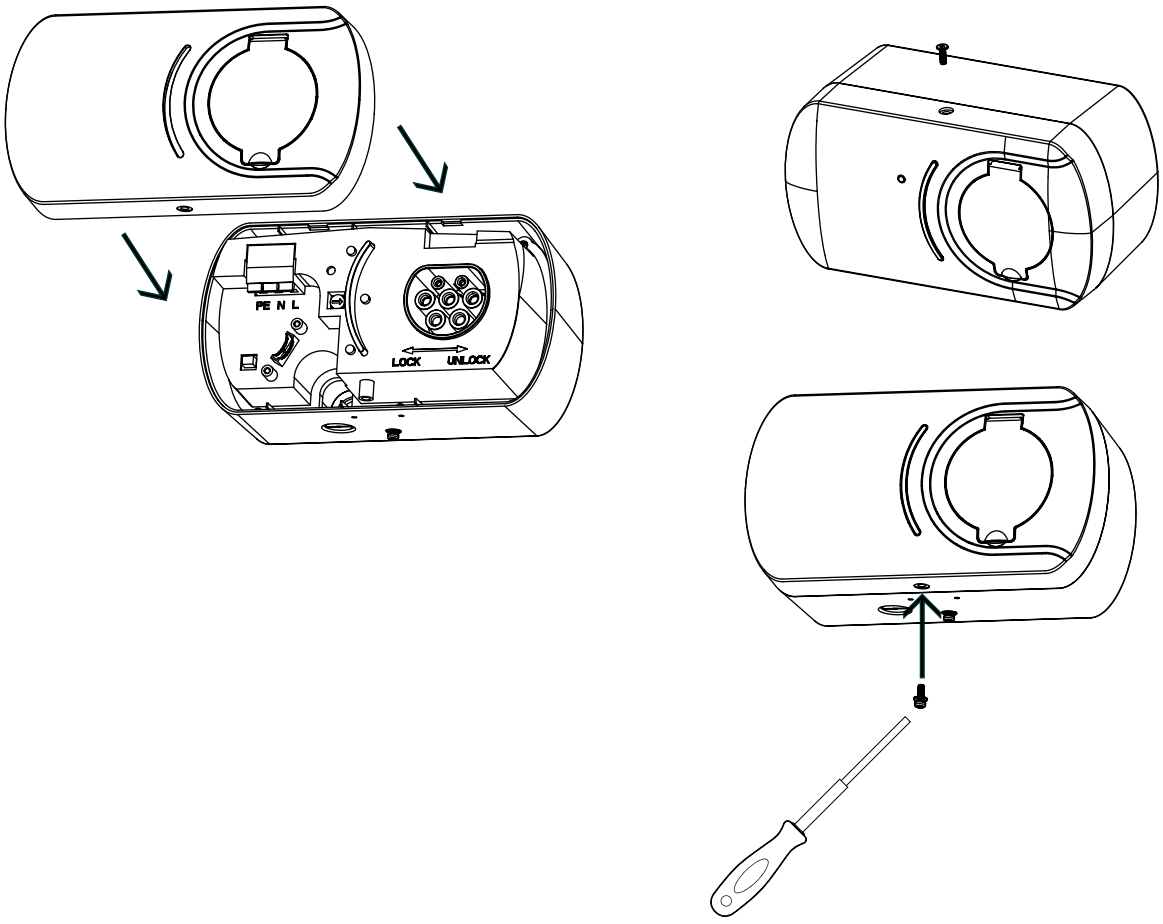
1.Configure the charger by turning the rotary switch by using a screwdriver to the correct setting (please note that the default factory setting is level 6, 32A):

0: 6A
1: 10A
2: 13A
3: 16A
4: 20A
5: 25A
6: 32A



STEP 6: FRONT COVER

1. Close the front cover and secure the front cover with one M4 screw on the top and an M4 TORX head screw on the bottom.



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Operation

Status Indicator

	Solid green	Plug in and wait to charge
	Green slow flashes	Plugged in waiting to charge, communicating with vehicle
	Blue flashes	In-charging
	Solid blue	Charging finish
	Red flashes	Fault

Network Status Indicator

	Green slow flashes	Wi-Fi connecting
	Blue flashes	App connecting
	Solid blue	App connected

Fault message

Fault status	Red light	Remark
Voltmeter fault	1 flash followed by 3 second pauses	Automatic recovery
Control Pilot fault	2 flashes followed by 3 second pauses	Plug off to recover
Input UVP	3 flashes followed by 3 second pauses	Automatic recovery
Input OVP	4 flashes followed by 3 second pauses	Automatic recovery
OTP	5 flashes followed by 3 second pauses	Automatic recovery
OCP	6 flashes followed by 3 second pauses	Plug off to recover
Ground Fault	7 flashes followed by 3 second pauses	Plug off to recover
Relay Fault	8 flashes followed by 3 second pauses	Plug off to recover
RCD Abnormal	9 flashes followed by 3 second pauses	Plug off to recover
RCD self-test fault	10 flashes followed by 3 second pauses	Restart recovery

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Charging Guide

To start charging:

Connect your charging cable to the charging station and the car. The car is charging when the status light changes to flashing green.

To Stop charging:

The charging cable remains locked at the charging station until the charging process is finished or stopped by the car.

Please unlock and disconnect the charging cable from the car before disconnecting the cable from the charging station.

Warranty & Maintanence

- The warranty period for this charger is 36 months.
- During the warranty period for any malfunction under normal use according to the User Manual and Service Instructions (to be determined by certified maintenance technicians of sellers), the product shall be repaired free of charge. Except for the following situations, the charger shall be subject to the above warranty terms:

1. The warranty certificate cannot be provided or the contents of the warranty certificate are modified or inconsistent with the label indication of the repaired product.
2. Those who are unable to provide valid proof of purchase.
3. Those who exceed the manufacturers specified warranty period.
4. Those who damage the product due to not following the product service instruction for use, maintenance and storage.
5. Damage or malfunction caused by external object entering.
6. Unauthorized repair, disassembly or modification.
7. Damage caused by force majeure (such as lightning, excessive voltage, earthquake, fire, flood, etc.)
8. Malfunction and damage caused by other unavoidable external factors. Malfunction and damage caused by improper use of equipment, such as water, or other solutions entering the equipment.
9. Malfunction and damage caused by the grid power supply and voltage which is not specified for use with the charger equipment.

The above guarantees shall be made solely, and no other express or implied warranties shall be made (including the implied warranties of merchant ability, particular and applicable reasonableness and adaptability etc.) whether in the contract, civil negligence, or other aspects, the company shall not be responsible for any special, incidental or consequential damages.

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