

EV Fleet 22kW AC Charger

Fleet22



Quick Install Guide

Fleet22

**BEFORE YOU START**

- The EVOS Fleet22 is designed to only be connected to a dedicated AC supply.
- Upstream protection: Type A RCD + MCB
- Installation must be completed by a qualified electrician
- Install to AS/NZS 3000
- Isolate upstream power before inserting or removing the QUICKON connector or charging cable
- Minimum lower edge mounting height: 900 mm
- We recommend the use of an isolator

⚠ WARNING: Fleet22 input cable uses IEC / EU wire colours

Do not assume legacy Australian phase colours. Incorrect phase identification can blow the fuse.

⚠ Always verify conductors and phase rotation before energising.

Fleet22 input cable (IEC / EU colours)		Common Australian legacy colours	
1 L1 / Phase 1	 BROWN	1 L1 / Phase 1	 RED
2 L2 / Phase 2	 BLACK	2 L2 / Phase 2	 WHITE
3 L3 / Phase 3	 GREY	3 L3 / Phase 3	 BLUE
4 Neutral	 BLUE	4 Neutral	 BLACK
5 Earth / PE	 GREEN-YELLOW	5 Earth / PE	 GREEN-YELLOW

Fleet22 phases are BROWN / BLACK / GREY

⚠ Imported cable colours may differ from older Australian installations.

Run power to the isolator

- 1 Install the dedicated AC supply to the local isolator. Confirm the correct upstream Type A RCD and MCB protection is fitted in accordance with AS/NZS 3000 and the installation design



Mark and mount the Fleet22 AC box

- 2 Position and level the Fleet22 base, maintain a minimum lower-edge height of 900mm, mark the fixing points and secure the AC box to the mounting surface using suitable M4 fasteners. Do not exceed 5Nm.



Wire the input cable and connect QUICKON

- 3 Terminate the Fleet22 power input cable at the isolator. Verify L1, L2, L3, N and PE are correctly identified, then fully insert and lock the QUICKON connector into the AC box.



Power on and confirm status

- 4 Energise the unit and allow it to complete startup. Wait for the Fleet22 status light to turn white, confirming the charger is powered and ready. It can take up to 1 minute.



Connect the charging lead

- 5 Swing the retaining clip upward, insert the charging lead into the AC box until fully seated, then lower the retaining clip and confirm it has locked securely in place.



Refit the protective shield

- 6 Align the decorative / protective shield with the locating edges, slide it flush onto the charger base and secure it using the four M5 security screws and 3mm security bit.



Commission and test the unit

- 7 Complete the required electrical tests and then submit the mandatory EVOS commissioning form. Enter the circuit current carefully because it is hard-coded once submitted. Do a test charge



Install Manual



Wifi Setup



Commissioning



Installation Preparation

In the Box

Item	Description	Image	Qty
1.	Fleet22 Charger		1
2.	Decorative Cover		1
3. (Optional)	Packet of M5 Countersunk Screws + M3 Security Bit		1
4.	Power Input Cable - Terminated		1
5.	Charger Adoption Key		1



Installation Preparation

Audience

This document is intended for consumption by licenced electricians.

Electrical Safety

Upstream protection must be installed for safe operation.

Required Upstream Protection	1 Phase Installation	1. Only type A RCD (as per AS3000) Recommended 30mA Type A 2. MCB (as per AS3000) Recommended Type C MCB 40A
	3 Phase Installation	1. Only type A RCD (as per AS3000) Recommended 30mA Type A 2. MCB (as per AS3000) Recommended Type C MCB 40A

Supply Wiring

Where multiple stations are connected to the same three phase supply, it is recommended to rotate L1, L2, L3 input phases to prevent overloading.

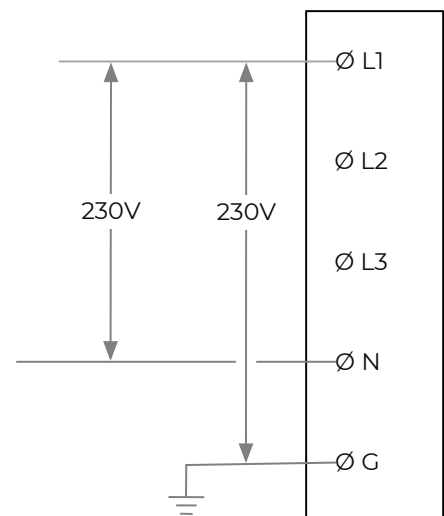
1 Phase Installation

Only one phase (L1, L2 or L3) may be connected to L1 designation on input connector.

Neutral (N) and ground (G) must be connected to designation on input connector.

The phase voltage must measure ~230V to neutral.

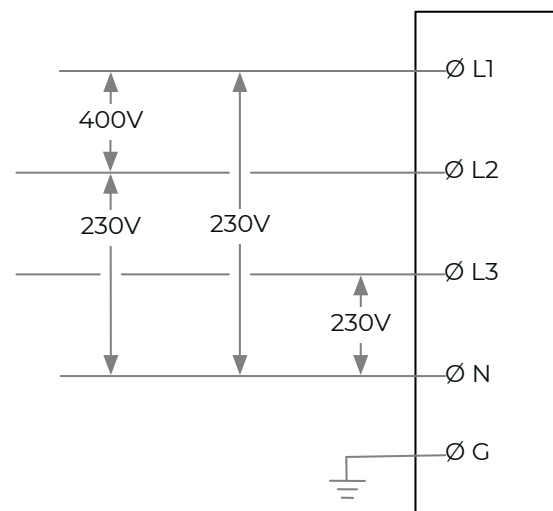
! L2 or L3 designation on input connector cannot be used for 1 phase installation.



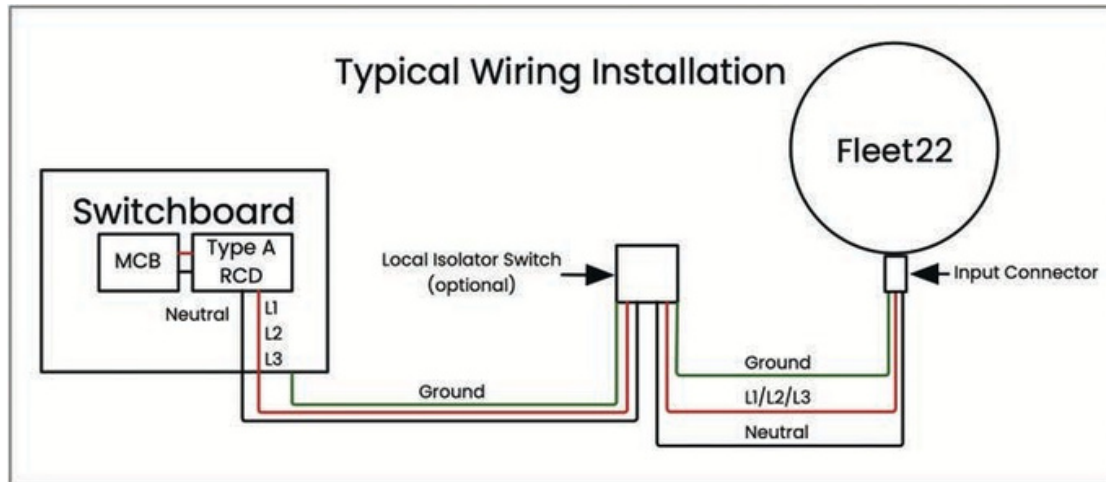
3 Phase Installation

All three phases (L1, L2 and L3), Neutral (N) and Ground (G), must be connected to corresponding designation on the input connector.

Each phase voltage must measure ~230V to neutral.



Typical Installation Example



Installation

Tools

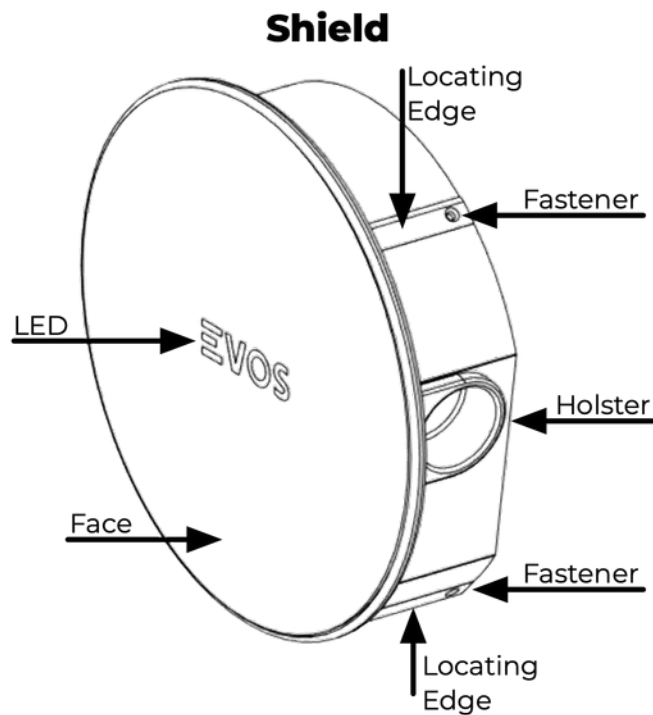
- 1 x Power Drill
- 1 x M4 Drill Bit
- 1 x Phillips Head Screw Bit
- 1 x 3mm Post Hex Security Bit
- 1 x Standard Electrical Test Equipment
- 1 x Level
- 1 x Mobile Phone or Laptop with Wi-Fi for Commissioning

Location

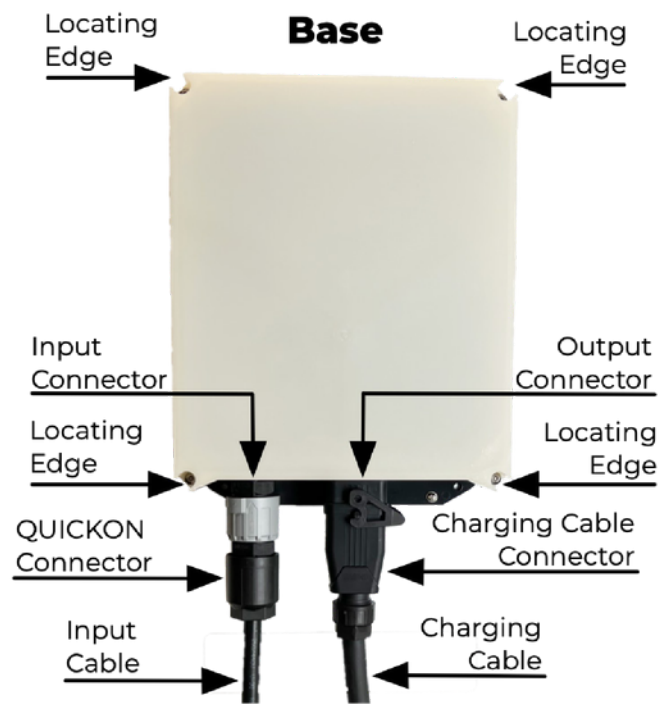
Before installation, check the preferred installation location has these features

1. Easy access by driver
2. Easy stowage of charging cord (prevent wheel crush damage)
3. Easy to plug in vehicle without straining cable
4. Station is protected from vehicle damage
5. Station lower edge mounting height is minimum 900mm from floor level.

Component Guide



Charging Cable with Type 1 Plug



Charging Cable with Type 2 Plug



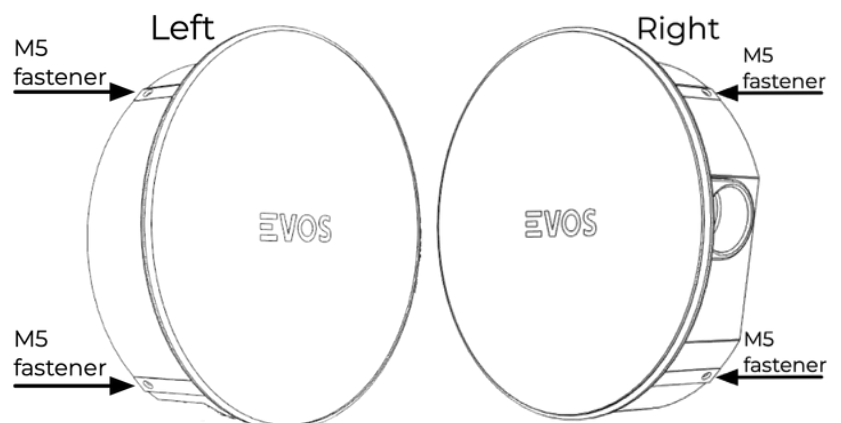
Installation Steps

Please check off the items on the checklist located on the last page of this document.

1. Remove shield from station (if secured).

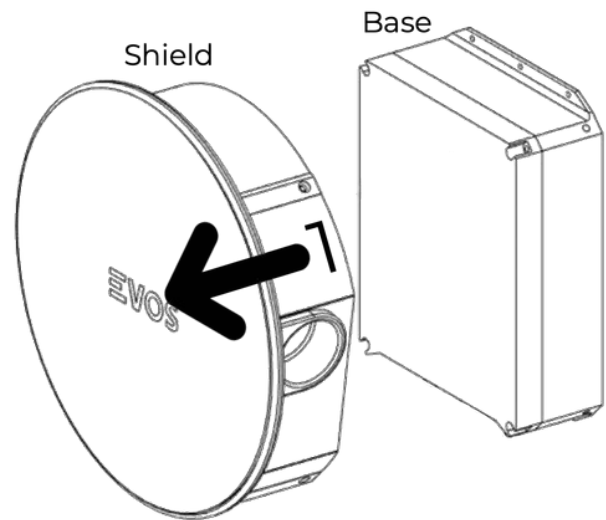
Remove the 4 x M5 fasteners that secure the shield to the base using a 3mm Hexagonal Security Bit.

Place fasteners aside for re-installation.



(1) Slide the shield away from the base.

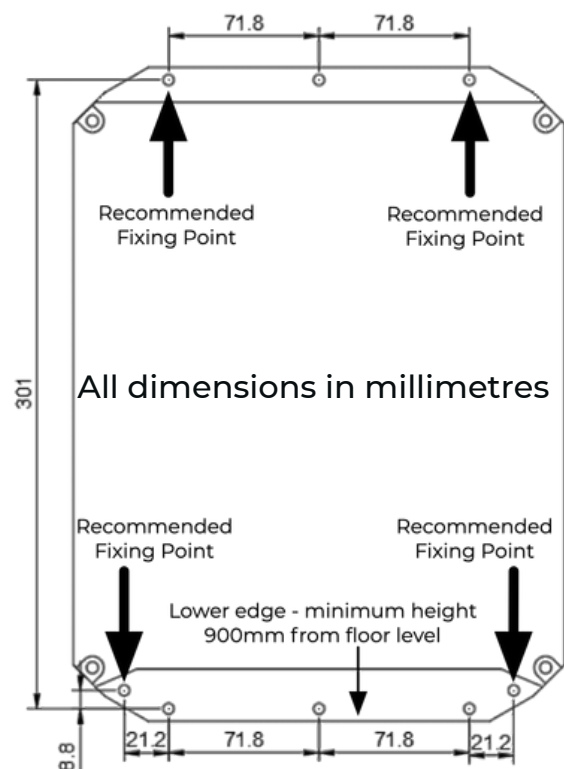
Place the shield face up where it will not be marked, scratched or damaged.



2. Mark fixing point

Use a level across the top of the base unit to level and use the provided measurements of the image (right) to mark fixing points on the mounting surface.

! Minimum height of the lower edge is 900mm from floor level



3. Mount station base

Use size M4 fasteners (supplied) to fix the station to mounting surface. Do not exceed 5 Nm when installing fasteners

4. Connector with 1M cable.

Install a power termination box / switch close to the charger.

Connect the Terminated QUICKON Connector and cable to the termination box/switch.

5. Connect QUICKON Connector to the charger.

(1) Twist the grey collar of QUICKON connector to far left. Collar will rise slightly and click in place.

Locate white indicator on station inlet

Orient Leverage Point and Arrow on the grey collar of QUICKON connector to the left side of the white indicator on the input connector.

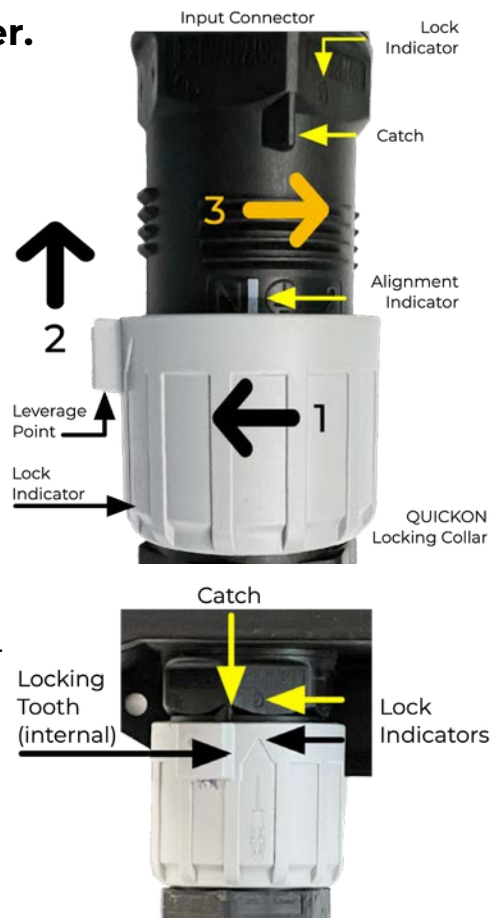
(2) Slide QUICKON connector upwards as far as it will go.

(3) Twist the grey collar of QUICKON connector to the right until the locking tooth of the leverage point clicks over the catch.

If the grey collar does not twist to the right, the connector is not fully inserted.

! Do not proceed until connector is secure.

The QUICKON connector has dangerous voltages present when upstream power is enabled. The connector should not be removable by hand.

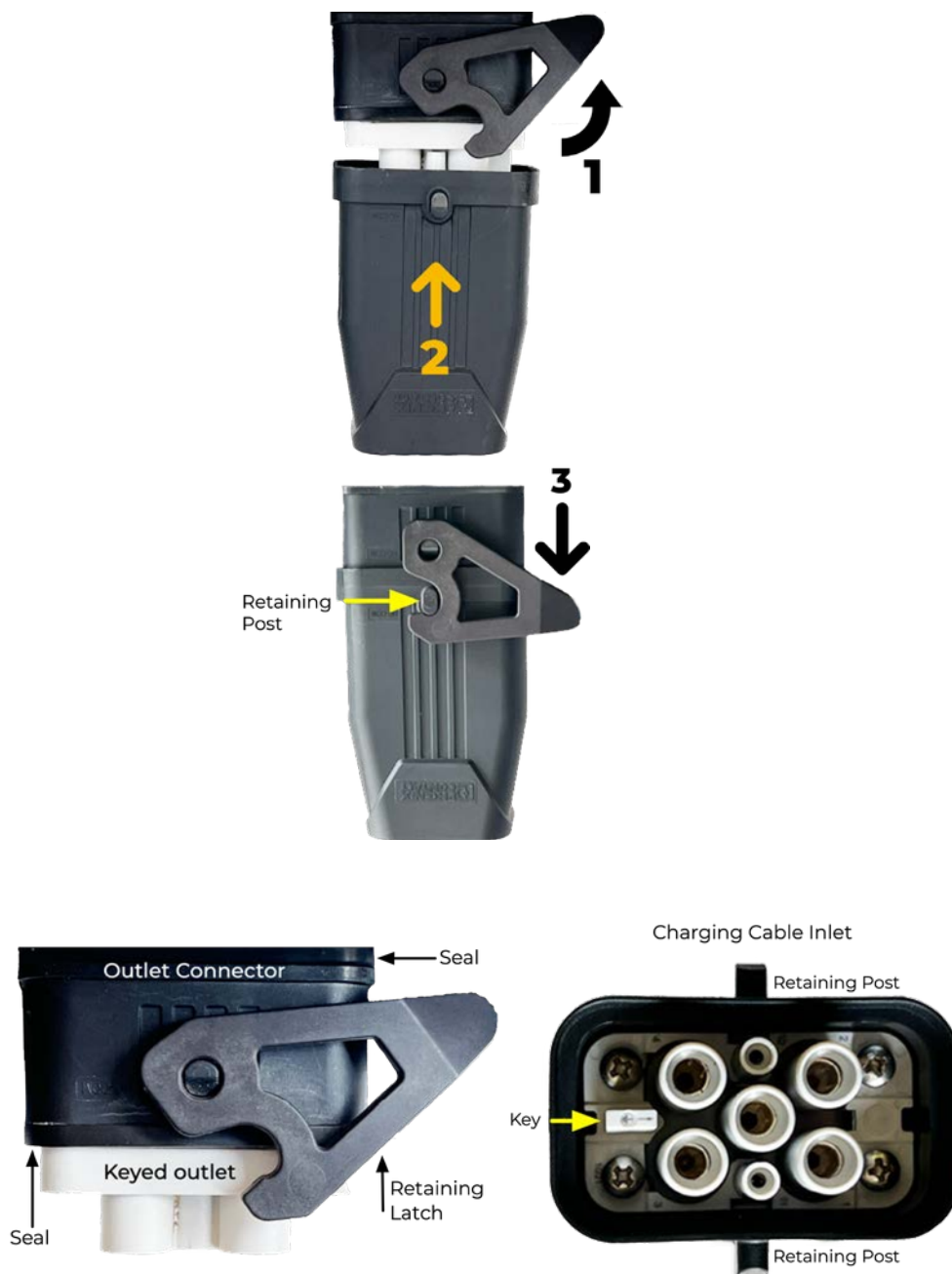


6. Connect charging cable

- (1) Swing the retaining clip upward.
- (2) Insert charging cable inlet into the station outlet until it is snug.
- If the inlet does not engage, turn it 180° and try again.
- (3) Swing the retaining clip downwards until the retaining clip snaps in place.

! Do not proceed until the connector is secure.

The station output connector has dangerous voltages present when a vehicle is charging.



7. Commission Charger

follow the link to commission the charger

<https://www.evoss.com.au/new-install>



Commissioning Requirements

During commissioning, you will need to confirm the maximum circuit current for the charger.

This setting is programmed into the Fleet22 during commissioning and cannot be changed without uninstalling and recommissioning the charger.

You will also be required to upload photos of:

- The installed Fleet22 charger
- The RCD / circuit protection
- The charger serial number
-

The serial number can be found on the compliance label located on the side of the Fleet22.

⚠ Important — Factory Current Setting

All Fleet22 chargers are supplied from the factory configured to 32A.

If the charger has been installed on a circuit rated below 32A, do not connect or charge an EV until the commissioning process has been completed and the correct circuit current has been configured.

Changing the OCPP Endpoint

If the OCPP endpoint needs to be changed after installation, please contact EVOS Support.

The EVOS team will assist you with updating the charger configuration.

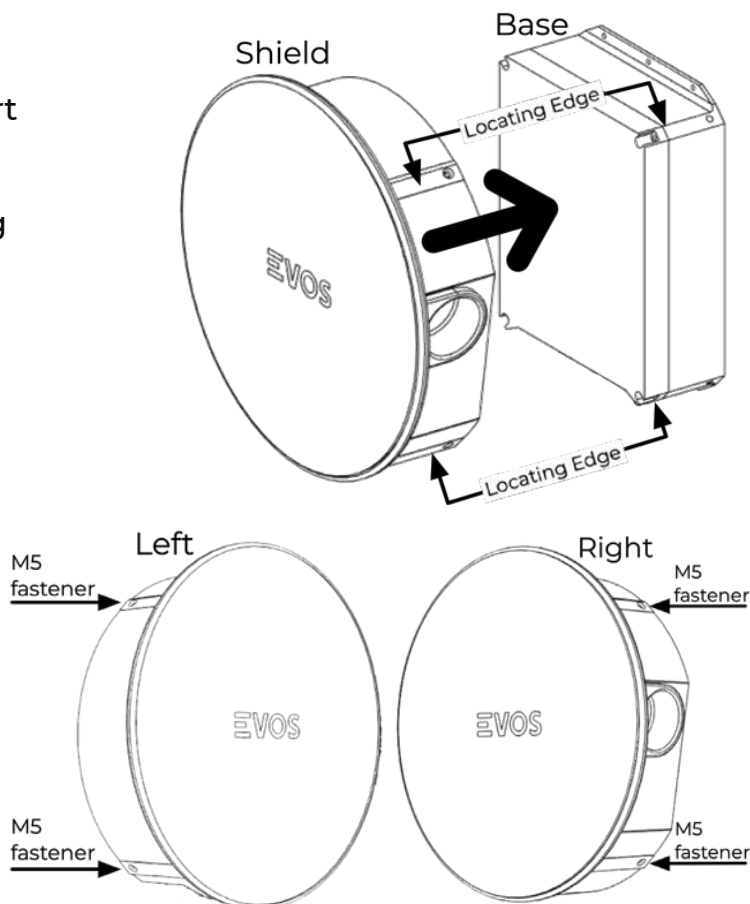
8. Install Shield

Align the shield with the docking port facing the right-hand side.

Slide the shield over the four locating edges of the station base.

Shield should gently slide until flush.

Use the 4 x M5 fasteners saved in step 1 or found in the enclosed plastic bag to secure the shield to the station base using a 3mm Hexagonal Security Bit.



9. Power ON

Enable the upstream power

10. Electrical Tests

Perform all required electrical tests

11. Test Charge

1. Connect a vehicle and perform a test charge.
2. Recommended to use a thermal camera to verify there are no hot spots on the input connector.

Using Fleet22

Charging a Vehicle

1. Check EVOS Fleet22 status LED is White.
2. Follow vehicle preparation instructions for starting a charging session (unlock inlet / open door / remove inlet cover).
3. Remove the plug from the holster or remove the protective cap.
4. Check the charging cable for damage and the plug for damage or contamination.
5. Insert the plug into the vehicle inlet. Check the plug is fully inserted.
7. Start of charging session, check EVOS Fleet22 status LED is Blue.
(Charger Status Information in the next page.)
8. When the charging session ends, follow the vehicle instructions to unlock the vehicle inlet.
9. Remove the plug from the vehicle inlet.
⚠ Never use force to remove the plug.
10. Loop the cable once anti-clockwise around the shield and place the plug in the holster or replace the protective cap immediately.
11. Check Fleet22 status LED is White.
12. Follow vehicle instructions after charging session (install covers / close door)

Charger Status Information

The LEDs on the EVOS Fleet22 convey the state of the station as listed below.

**White**

Charger is ready for charge.

**Blue Slow Pulse**

Charger waiting for authentication. Press 'Start Charge' to begin charging.

**Blue**

Charger is charging.

**Red**

Charger is faulted.

**Red Slow Pulse**

Charger is unavailable.

**Green, Off Pulse**

Vehicle not ready. Check vehicle for more details.

**Cyan, White Pulse**

Charger is not connected to Internet.

**Green, White Pulse**

Unplug charging cable and plug again.

**Red, Purple, White, Green**

Charger is rebooting from a hard reset.

**Purple, Cyan Pulse**

Downloading.

**Blue Quick Flashing**

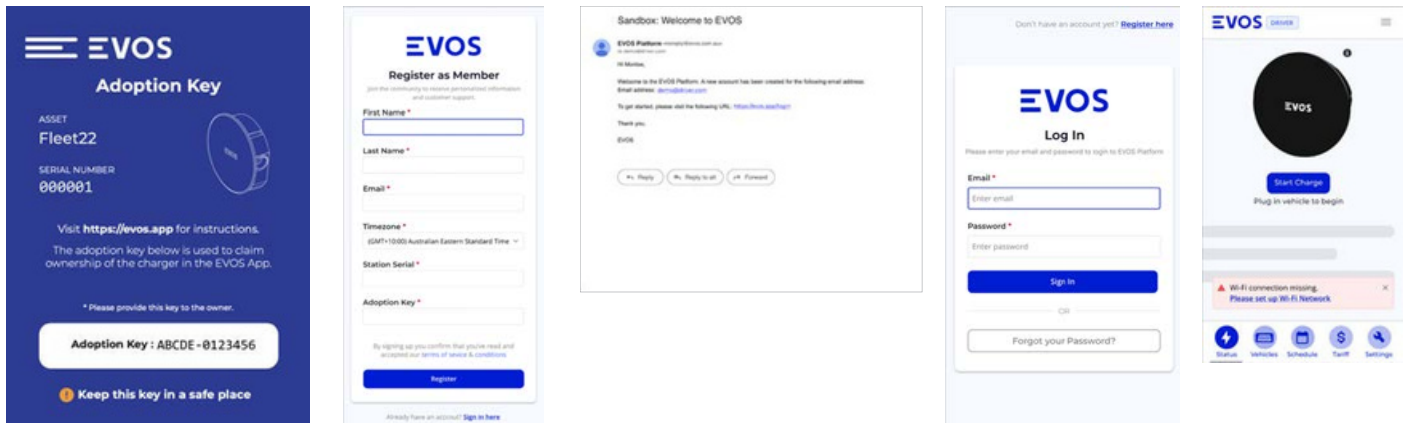
Charger is suspending.

**White with Loading Spinner**

EVOS App is sending a start, pause or resume command to the charger. (EVOS App)

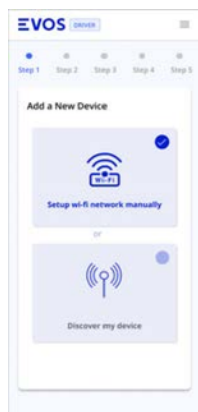
Wi-Fi Setup process (optional for Fleet22)

1) Register a new MyEVOS account and adopt an Fleet22 charger

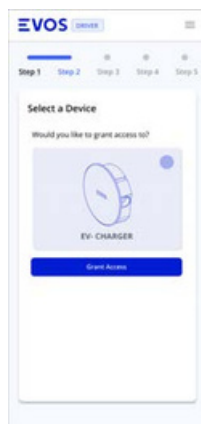


2) Set up Wi-Fi using your Home Wi-Fi credentials

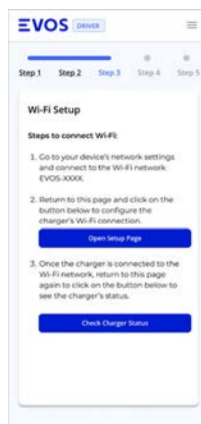
Step 1: Add a New Device



Step 2: Select a Device



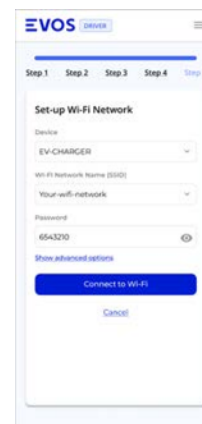
Step 3: Wi-Fi Setup



Step 4: Select your network



Step 5: Set-up Wi-Fi Network



Connecting

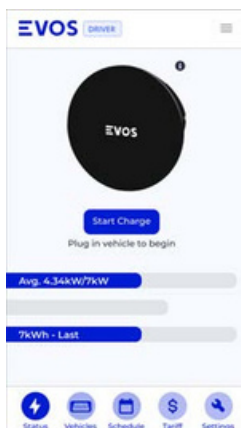


3) Your Fleet22 is now connected to Wi-Fi and you can unlock all its capabilities.

Step 5: Success page

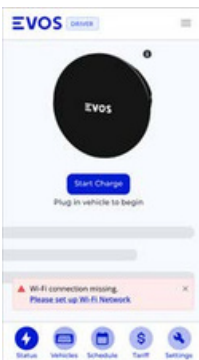


SB7 with Wi-Fi connection



Wi-Fi connection missing.
Please set up Wi-Fi Network

If your charger didn't connect successfully to the Wi-Fi, the App will show this alert, also the charger will blink with a white and cyan light. Please check your Wi-Fi is enabled, the credentials are correct, and try again from Step 1.



White, Cyan Pulse

Charger is not connected to Wi-Fi.



EVOS Support

If you require support during your installation, we're happy to help.

Please call +61 73543 0064.

For general email enquiries, sayhi@evos.com.au

Checklist

Please use this checklist to ensure the station has been installed safely.

Item	Yes	No	Comment
Station base, shield and charging cable are not damaged			
Station mounting position is easy to access			
Station mounting position is protected from vehicle damage			
Station lower edge above 900mm above ground level			
Upstream type A RCD installed			
Upstream type C MCB installed			
Station base is mounted securely to surface			
QUICKON Nut is secure and not removable by hand			
QUICKON connector is secure and not removable by hand			
Charging cable is secure and not removable by hand			
Circuit amperage limit has been set			
Shield is mounted flush and secured with 4 x M5 fasteners			