

GRIZZLE

LEVEL 2 EVSE



USER MANUAL AND INSTALLATION GUIDE

Model Numbers:
• GRU-EU-A-BBB-CC



Technical Specifications

Output Power	Input Power
Grizzl-E Ultimate Three Phase 11 kW Maximum	380V+-10% 3 phase 16A breaker 5x2.5sq mm wiring 3P+N+PE
Grizzl-E Ultimate Three Phase 22kW Maximum	380V+-10% 3phase 32A breaker 5x6sq mm wiring 3P+N+PE
Charging Connector	Environmental Requirements
Charging Connector IEC 62196 (Type 2)	IP 66 Rated Aluminum Cast Enclosure Indoor/Outdoor Use
Charge Cable Length 7m	Operational Temperature Rating: -30°C - 50°C;
Mechanical Features	Humidity Rating: 95% RH non-condensing
Total Weight 9.5kg	Smart Charging
LED Charge Status Indicator (Ready, Charging, Fault, Connected).	Connectivity 2.4Ghz Wi-Fi network
Safety Features Over Current, Over Voltage, Under Voltage, Diode Fault, Ground Fault, and Over Temperature Protections. Self-monitoring and Recovery, Power Outage Recovery. Built-in RCD DC 6mA.	Communications Protocol Compatible with OCPP 1.6
	Certifications
	CE Certified
	ROHS Compliant



Important Safety Instructions



WARNING: EVSE intended for hard wire use only.
Installation must be performed by a qualified electrician.



WARNING: This equipment is intended only for charging vehicles that do not require ventilation during charging. Please refer to your vehicle's owner's manual to determine ventilation requirements.

- This document provides instructions for the charging station and should not be used for any other product.
- Before installation ensure compliance with local electrical regulations.



Read all the instructions before using this product.



Children should not use this device.



Do not put fingers into the EV connector.



Do not touch live electrical parts.



Do not use this product if the flexible power cord or EV cable is ragged, has broken insulation, or any other signs of damage.



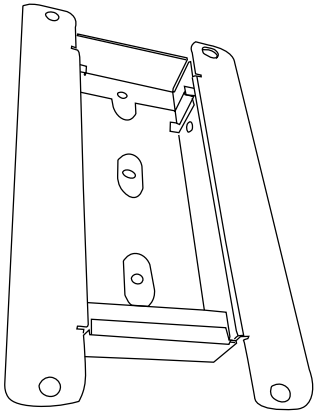
Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.



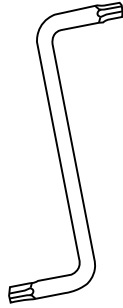
To avoid a risk of fire or electric shock, do not use this device with an extension cord or electrical adapter.

Mounting Instructions

Mounting Equipment



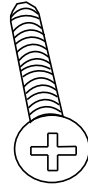
Mounting Bracket (x1)



Hex Key Tool
(x1)



Front Plate
Screw (x4)



Back Plate
Screws (x2)

Mounting Requirements:

Determine the location of an acceptable mounting support:

- The EVSE must be mounted into a solid support such as a 2" x 4" stud or a solid concrete wall.
- **DO NOT** mount this unit directly to a stucco/drywall.

Mounting Screw Recommendations:

- For finished walls supported by wood studs, use #14 or M6 tapping screws. (Included).
- For masonry walls, use M6 mechanical screws. (Commercially available)

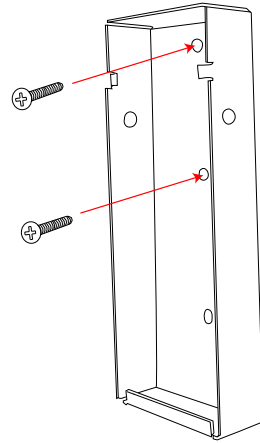
This charger must be mounted such that the height of the bottom of the enclosure is at least 0.5m above the ground.



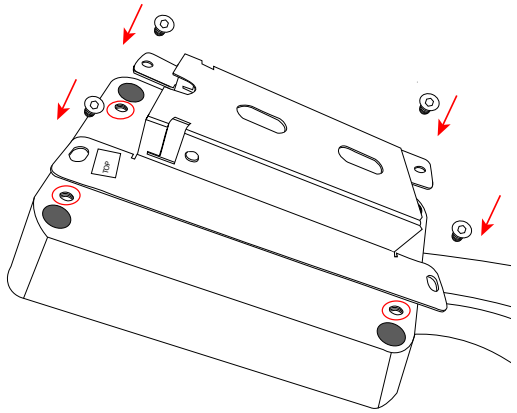
WARNING: Disconnect power supply before installation.

Mount Charger

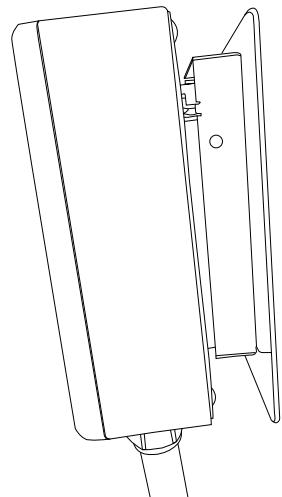
1. Separate the two pieces of the mounting bracket by pressing down on the notch.
2. Secure the back piece of the mounting bracket to the wall or other suitable structure using the Back Plate screws. Use the top two holes to attach the mounting bracket to the wall.



3. Attach the front piece of the mounting bracket to the back of the charging station using the Front-Plate cap screws and Hex Key Tool. Ensure the top of the mounting bracket is matched with the top of the charging station.



4. Mount the charger on the wall by securing the front piece of the mounting bracket to the back piece of the mounting bracket.



Electrical Installation

Connection Method

Hardwired connection to fixed wiring only

Minimum Cable Cross Section

Three phase 380V+-10% 3phase 16A breaker: **5x2.5sq mm wiring**

Three phase 380V+-10% 3phase 32A breaker: **5x6sq mm wiring**

Recommended Cable Type

- H07RN-F or EV-specific variants
- Conductor Material: Copper
- Insulation: XLPE or TPE for flexibility and heat resistance
- Circular cross-section cable 12mm - 18mm

Circuit Protection Requirements

External circuit breaker

Requires external RCD Type A

Residual Current Device (RCD)

Device is equipped with an RCD DC 6mA inside

Surge Protection Recommendation

- Type: Combined Type 1+2 SPD
- Voltage: 230/400V AC, 3-phase + N
- Discharge Current: 12.5 kA (10/350 μ s)
- Use: Installed at the main EV supply panel to protect against direct lightning strikes and high-energy surges
- Standard: IEC 61643-11



WARNING: Check proper grounding and polarity

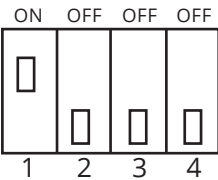
DIP Switch Settings

The DIP switch is a 4-position switch on the top circuit board, located at the top of the charger.

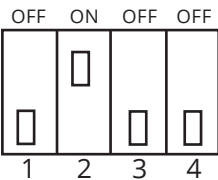
To Access the DIP Switches remove the front cover by removing the 4 screws at each corner of the charging station. Use the Hex Key Tool to remove the front cover. Do not use power tools.



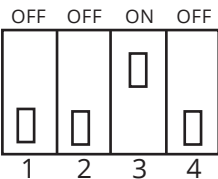
Default - 16A 1 Phase.



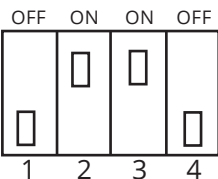
DIP Switch #1 ON. Smart Charging Disabled.
Applies to all amperage settings.



DIP Switch #2 ON.
32A 3 Phase



DIP Switch #3 ON.
32A 1 Phase



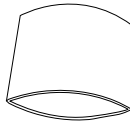
DIP Switch #2 and #3 ON
16A 3 Phase

Hardware Instructions

Hardware Kit



Terminal Lugs
(x5)



Shrink Wrap
(x5)



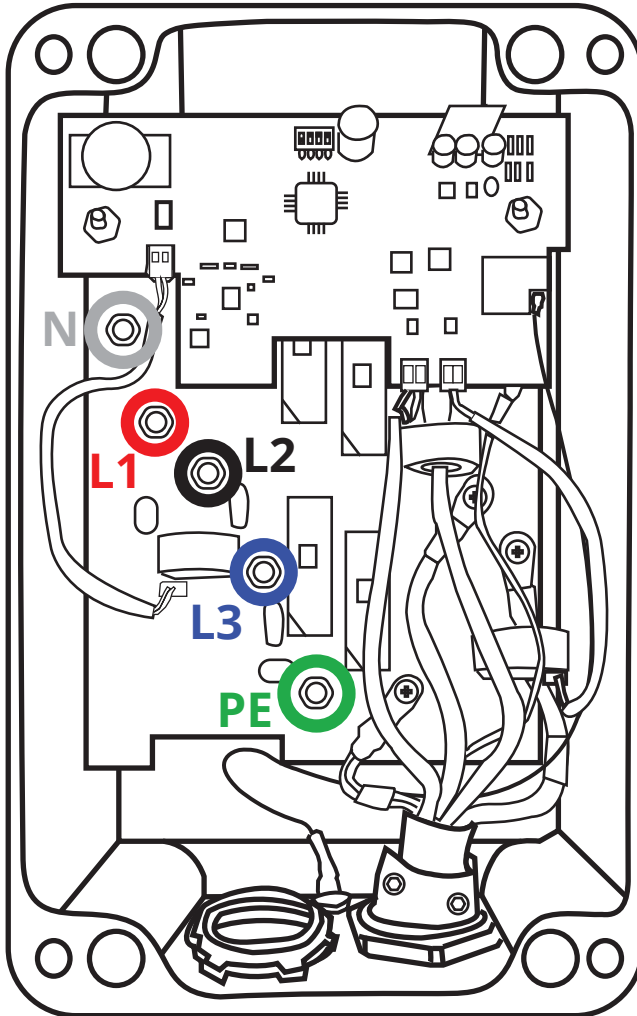
Terminal Screws
(x5)

Hardware Charger

1. Remove the front cover of the charging station by removing the 4 screws at each corner. Use the Hex Key Tool to remove the front cover. Do not use power tools.

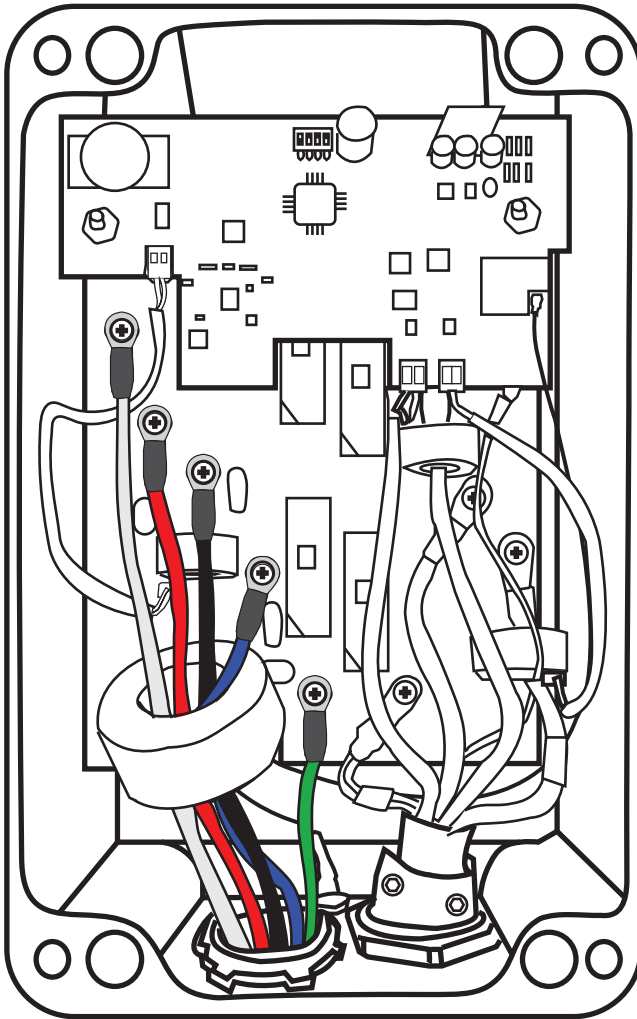


2. Use the Terminal Screws to connect the Terminal Lugs to the Terminal Connectors. Connect Terminal Lugs to L1, L2, L3, N and PE. Torque Terminal screw to 2.2 Nm.



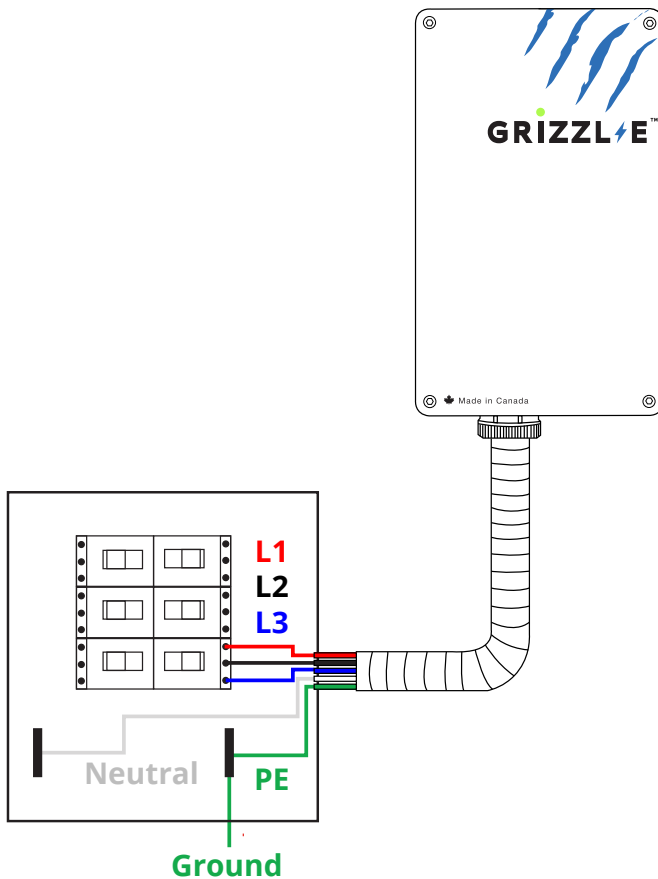
3. Connect conduit to the input cable gland.

4. Feed the input wires (L1, L2, L3, N, PE) through the conduit into the charger.
5. Feed L1, L2, L3, and N through the transformer.
6. Place heat shrink tube over the terminal lugs.
7. Insert L1, L2, L3, N, and PE to the corresponding Terminal Lug.
8. Secure the wires to the Terminal Lug using the screw. Use a heat gun to shrink the tubing around wire and terminal lug.



9. Reinstall the charging station cover. Torque Cover screws to 1.6 Nm.

Hardwire Connection



1. Bring leads into the 380V 3 Phase distribution panel. Connect the leads to **Line 1** (230VAC to Ground), **Line 2** (230VAC to Ground), **Line 3** (230VAC to Ground).
2. Connect **PE** to the ground in the distribution panel.
3. Connect **Neutral** (white) to neutral.

Indicator Lights



Charging station
Power On/Initialization



Charger Ready. Not
connected to Server.



Charger Ready. Connected to
Server.



Vehicle Detected



Charging



Charging Complete



Charging restricted by Smart
Features.



Vehicle Detected.
Charging restricted by
Smart Features



Alternating - Charging Not
Complete + Restricted by
Smart Features



Fault

Initial inspection

- Ensure LED light is on and in Charger Ready Status
- Do not use this product if the flexible power cord or EV cable is ragged, has broken insulation, or any other signs of damage.
- Verify mechanical fixation before first use

Error Troubleshooting

If the charger is not able to auto-recover, follow these steps:

1. Unplug the charging connector from the vehicle.
2. Power off the charger by switching the upstream circuit breaker to the "OFF" position.
3. Wait 1-2 minutes. Switch the upstream circuit breaker back to the "ON" position.
4. Confirm the Fault light is no longer present.
5. If the Fault light remains, contact Technical Support.

Warranty

Grizzl-E Level 2 EVSE comes with either a 3-year, or 5-year manufacturer's warranty. This warranty is extended by United Chargers Inc.™ to the original purchaser of the EV Charging Station. United Chargers warrants that this product is free from defects in materials years and free from defects in workmanship for the period specified in the warranty from the date of purchase. If during the Warranty Period, under normal operating conditions, the charging station becomes defective, United Chargers will, upon written notice of the defect that occurred during the Warranty Period, provide technical support until the issue is resolved.

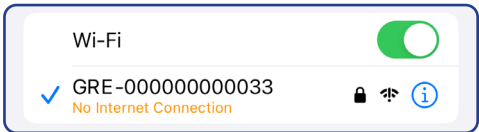
This warranty will not apply if the product has been misused, abused, or altered. The warranty does not cover cosmetic damage. The warranty does not cover damage as a result of an extreme power surge, extreme electromagnetic field, or any acts of nature. This warranty will not apply if the product is used with any third-party extension cords or electrical adapters. The warranty for the cable does not include cables that have been run over, pulled, or otherwise damaged by the vehicle.

A licensed contractor, licensed electrician, or trained installation expert must perform the installation and hardwire procedure, or the warranty will be void. Proof that installation and hardwire services were performed by a qualified professional (i.e., electrician bill, Work order, Invoice, etc.) is required. The qualified installer is responsible for ensuring the charging station front cover is reassembled according to specifications and responsible for any damages or water leakage to the enclosure

The warranty claimant must produce the original purchase invoice, including the date of purchase. United Chargers assumes no liability for any dismantling, removal, installation, re-installation, or labor costs or any consequential damages associated with this warranty. The cumulative liability of United Chargers for warranty claims will not exceed the original price of the charging station. United Chargers makes the final decision, in fairness to all concerned, as to the legitimacy of any claim on this warranty.

Connect Charger To Application

1. Connect to the charger's Wi-Fi Network. The network name is the **serial number**. Stay on the network even though there is no internet connection.

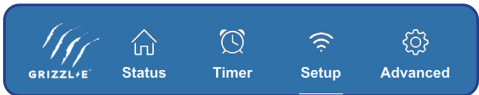


Note: If you do not see the charger's Wi-Fi network, it may be hidden after 15 minutes. Power cycle the charger by turning the circuit breaker off and on to restore the Wi-Fi network.

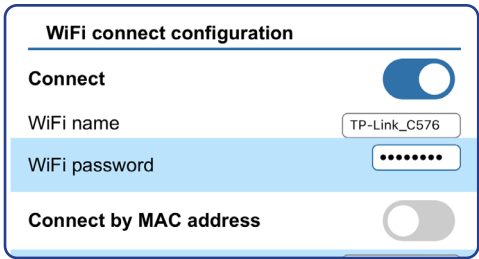
2. Open your web browser. Enter the IP address **192.168.4.1** to open the local connection page. Disable cellular data if page will not load.



3. In the Local Wi-Fi Connection go to the Setup tab.



4. Go to the **WiFi connect configuration** section.
5. Enable the Connect button.



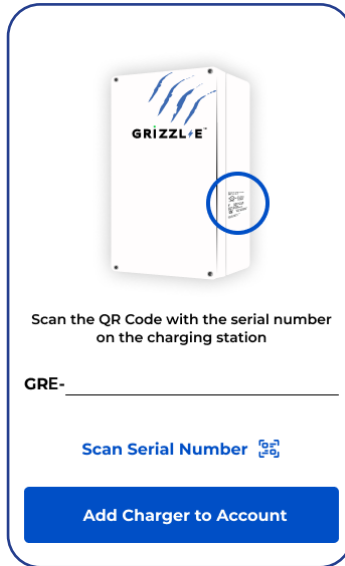
6. Enter the Wi-Fi network name or select the Search button to see a list of available networks. Select the network to populate the Wi-Fi field.
7. Enter the Wi-Fi Password.
8. Select the Save button.
9. Select the Confirm button to apply new settings. Ensure Charger indicator light is now **Blue**.

Link Charger to Grizzl-E Connect Application

1. Download the **Grizzl-E Connect** app for iOS or Android.



2. Create an Account and sign in.
3. Select the + button to add a new device.
4. Select your model from the list of devices.
5. Select the **Scan Serial Number** button.
6. Use camera to scan the QR code on the label.
7. Select the **Add Charger to Account** button.



Scan the QR Code to view the
Complete online
Grizzl-E Connect User Manual

SAVE THESE INSTRUCTIONS

Visit our Technical Support page:

<https://grizzl-e-europe.zendesk.com/hc/en-gb>

E-mail: Europe@unitedchargers.com

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