GRIZZL-E™

GRIZZL-E™ SMART EV Charger Grizzl-E Connect

User Manual
& Installation Guide

UNITED chargers

Grizzl-E Smart Connect Manual

Grizzl-E Smart Connect Version 2: All units manufactured after July 5, 2023*.

Manual Revision: 2.5

Model Numbers:

Classic	Avalanche Edition	Extreme Edition
GRS-14-24-P	GRS-14-24-AB	GRS-14-24-PC
GRS-6-24-P	GRS-6-24-AB	
GRS-14-24-PB		
GRS-6-24-PB		

*Check the MFG Date on the label. If the MFG date is before 2023/07/05, see Version 1 ChargeLab Manual.

Grizzl-E Smart Home EV Charging Station

The Grizzl-E Smart is the Wi-Fi connected smart EV Charger built from the proven Grizzl-E design. Grizzl-E Smart has Wi-Fi connectivity to work with the Grizzl-E Connect application. It is a simple, powerful, heavy-duty, and portable electric vehicle charging station made in Canada and built to withstand the harshest conditions.

The Grizzl-E Smart comes exclusively with a 24ft Premium cable. Internal design and components of the charger have been selected to provide maximum operational life of the device and be able to withstand the elements.

Grizzl-E Smart provides up to 10kW of power to a BEV or PHEV. Maximum current output can be set through DIP Switches to provide 16 Amps, 24 Amps, 32Amps or 40 Amps adjustable maximum current.

IMPORTANT SAFETY INSTRUCTIONS

This document contains instructions and warnings that must be followed when installing and using the Grizzl-E Smart Electric Vehicle Supply Equipment (EVSE). Before installing or using the EVSE, read this document including any WARNING and CAUTION symbols.

The Symbols Used Have the Following Meanings


Warning: risk of personal injury


Warning: risk of fire

Warning: risk of electric shock

Caution: risk of damage to equipment

- This document provides instructions for the charging station and should not be used for any other product. Before installation or use of this product, review this manual carefully and consult with a licensed contractor, licensed electrician, or trained installation expert to ensure compliance with local building codes and safety standards.
- Consult a licensed electrician to ensure that this product can be safely installed and used.
- Ensure that the materials used, and the installation procedures, follow local building codes and safety standards.
- The information provided in this manual in no way exempts the user of responsibility to follow all applicable codes or safety standards.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK

Basic precautions should always be followed when using electrical products, including the following:

- 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.
- Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a licensed electrician if there are doubts as to whether the product is properly connected and grounded.

Repair and Maintenance Clause

- All United Chargers products do not require routine maintenance however, periodic inspections should be conducted to ensure that all parts remain in good working order and no damage exists.
- Do not attempt to disassemble, repair, tamper with, or modify any components of the products. Contact United Chargers for any repairs.

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

Moving, Transporting, and Storage Instructions

- When moving or lifting the unit, always grasp and carry by the charging station body. Never attempt to carry the unit by any of the electrical cables.
- Use the soft carrying case when transporting the charger over long distances.
- Store the unit in a dry location, away from standing water.
- Store the unit at a temperature between -30C (-22F) to 70C (158F).

SAVE THESE INSTRUCTIONS

Product Specifications

Description	Specifications
EVSE Level	SAE J1772; AC Level 2
Max Output Rating	40A; 9.6 kW Maximum Output – For use with 50A Circuit Rating
Alternate Adjustable Output Ratings	32A; 7.68 kW Maximum Output – For use with 40A Circuit Rating 24A; 5.76 kW Maximum Output – For use with 30A Circuit Rating 16A; 3.84 kW Maximum Output – For use with 20A Circuit Rating
Charge Cable Length	24 ft.
Electrical Circuit / Input Power Requirements	Circuit Requirement: Dedicated Single Phase 208 or Split Phase 240VAC, 50/60 Hz.; Branch Breaker: Double pole; Circuit Conductors: Line 1, Line 2, Earth / Ground
Input Power Connection	Standard: Plug-in, NEMA 6-50 or NEMA 14-50 Plug. Plug is removable for Hardwire Connection.
Installation Rating	NEMA 4X, Indoor/Outdoor Rated
Operational Ratings	Temperature: -22ºF to 122ºF (-30ºC to 50ºC); Humidity: 95% RH non-condensing
Overall Dimensions	EVSE: 10.25 x 6.25 x 3.75 inches (26.0 x 16.0 x 9.3 cm)
Overall Weight	21lbs (9.5kg)
Display & Indicators	LED Charge Status Indicators (Power/Ready, Charging, Fault)
Connectivity	2.4Ghz Wi-Fi network
Standards & Compliance	UL Certified E510712, Energy Star Certified 2378449

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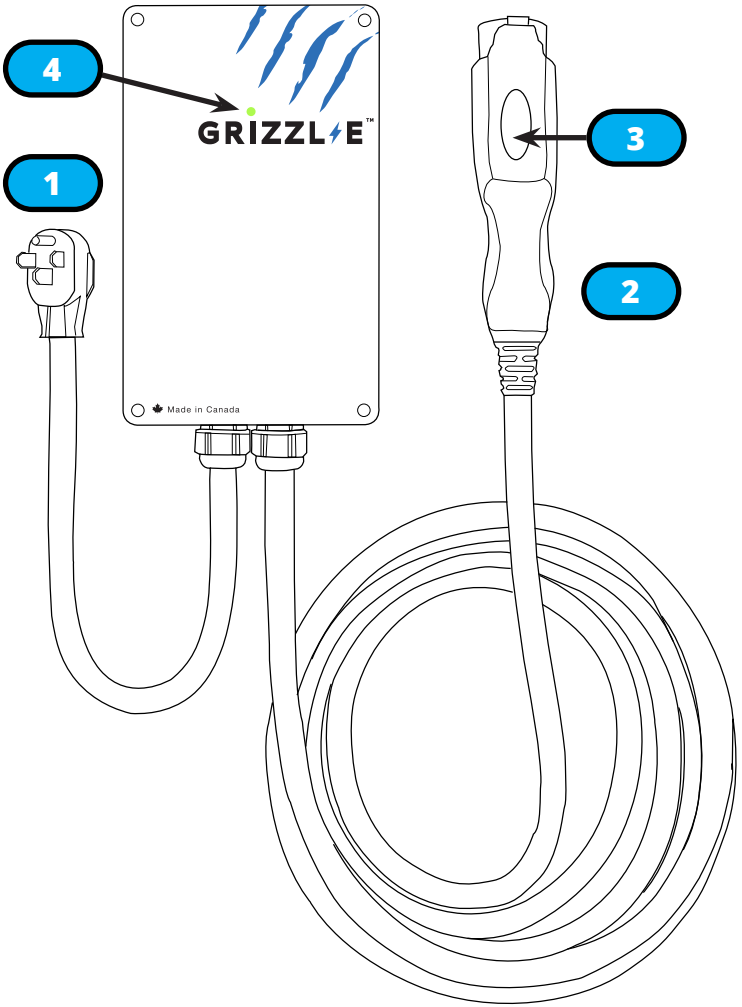
1. Introduction & Unpacking

1.1 Your Charger

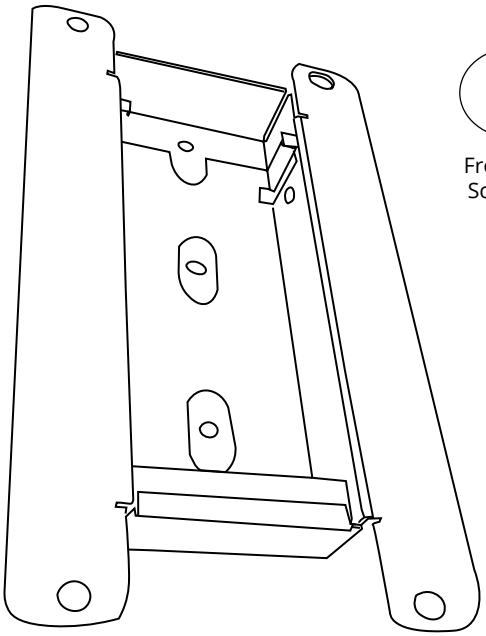


Charger Components

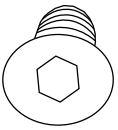
1. Input Cable NEMA 14-50P or NEMA 6-50P
2. Output Cable J1772 Connector
3. Latch Release Button
4. Indicator Light

1.2 Package Contents

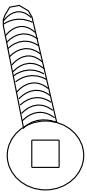
Mounting Kit



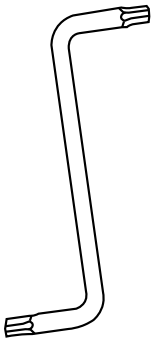
Mounting Bracket (x1)



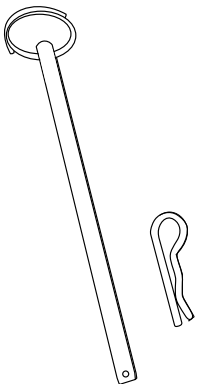
Front Plate Screw (x4)



Back Plate Screws (x2)

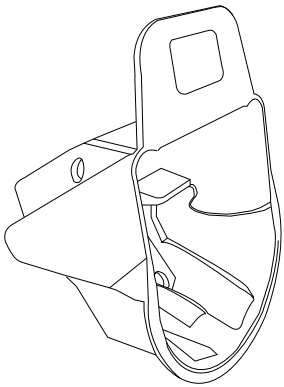


Hex Key Tool

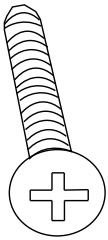


Security Pin (x1)

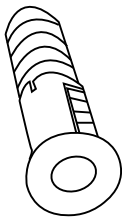
EasyEvPlug Holster



Holster (x1)



Holster Screws (x4)



Holster Anchor (x4)

2. Installation Planning and Service Wiring:

WARNING: Disconnect the power supply to the charging station before installing, adjusting, or repairing the charging. Failure to do so may result in physical injury or damage to the power supply system and the charging station.

WARNING: To reduce the risk of fire, connect only to a circuit provided with 20-50 amperes maximum branch circuit overcurrent protection requirements in accordance with the National Electrical Code ANSI/NFPA 7- and the Canadian Electrical Safety Code, Part 1, C22.1. If you are unsure if your circuit meets these requirements, consult a qualified electrician.

2.1 Electrical Source Requirements

- Prior to installation, locate an available electrical source that can support the following Input Requirements for the Charging Station Per local Electrical Safety Code requirements:
  - 40A Maximum Output Setting (Default Factory Setting): a DEDICATED CIRCUIT rated for 50A; 208VAC Single Phase or 240VAC Split Phase, 50-60 Hz,
  - 32A Maximum Output Setting (Default Factory Setting): a DEDICATED CIRCUIT rated for 40A; 208VAC Single Phase or 240VAC Split Phase, 50-60 Hz,
  - 24A Maximum Output Setting (Default Factory Setting): a DEDICATED CIRCUIT rated for 30A; 208VAC Single Phase or 240VAC Split Phase, 50-60 Hz,
  - 16A Maximum Output Setting (Default Factory Setting): a DEDICATED CIRCUIT rated for 20A; 208VAC Single Phase or 240VAC Split Phase, 50-60 Hz, A Double Pole Circuit Breaker of the circuit rating must be used.
- The Charging Stations can connect a Standard NEMA 14-50, NEMA 6-50 Receptacle, or the unit can be hardwired.
- It is recommended to use Grizzl-E Chargers with a Circuit Breaker. It is not recommended to use a Fuse Box as this can lead to unexpected blown fuses.

2.2 GFCI

- The Charging Unit has a built in GFCI protection; Additional downstream GFCI is not required.
- In locations where GFCI at the outlet is mandated by code, install a 20mA GFCI Breaker. A 5mA GFCI Breaker may cause disruptions to the charger function.

2.3 Grounding Instructions

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

1. An insulated grounding conductor that is identical in size, insulation material, and thickness to the grounded and ungrounded branch-circuit supply conductors, except that it is green with or without one or more yellow stripes, shall be installed as part of the branch circuit that supplies the device or system.
2. The grounding conductor described in item 1 shall be grounded to earth at the service equipment or, when supplied by a separately derived system, at the supply transformer.

WARNING: Improper connection of the equipment-grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

3. Adjustable Maximum Current Output

The GRIZZL-E Smart charging station features the ability to adjust the maximum Charging Station current output to support 50A, 40A, 30A, or 20A Dedicated Circuit ratings as follows:

Circuit Rating	Maximum Charging Station Output
50A	40A (9.6 kW)
40A	32A (7.68 kW)
30A	24A (5.76 kW)
20A	16A (3.84 kW)

- The Charging Station Default Factory Maximum Current Output Setting is 40A (9.6 kW) for use with a 50A Circuit Rating.
- The Circuit must be a DEDICATED CIRCUIT 208-240 VAC, 50-60 Hz.
- Requirements govern that only 80% of the circuit rated load may be utilized, hence the higher Circuit Ratings Requirement relative to maximum Charging Station output.

3.1 Adjust Maximum Current Output

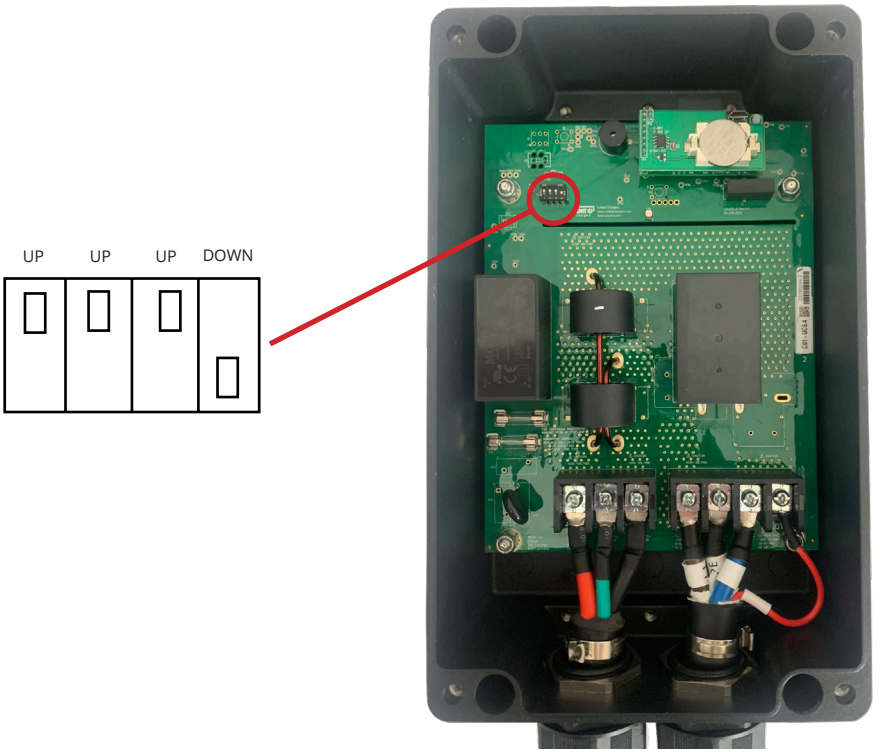
To adjust the Maximum Current Output Setting:

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

Caution: Do not use power tools to remove screws, as this may strip the screws. Use the provided Hex Key Tool.

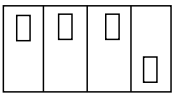
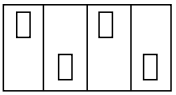
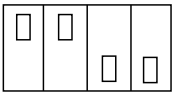
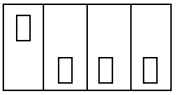
CAUTION: The LED pipe is attached to the front cover. When the front cover is removed, place it on a flat surface facing down to avoid damage to the LED pipe.

2. With the front cover placed to the side, locate the DIP switch on the charging station circuit board. The DIP switch is a 4-position switch on the main circuit board, located near the LED.



WARNING: Do not touch live electrical parts. Disconnect the power supply to the charging station and verify no power is present before adjusting the DIP Switches. Failure to do so may result in physical injury or damage to the power supply system and the charging station.

3. Adjust the Maximum Current Output to either 40A, 32A, 24A or 16A, using the following combination of DIP switch settings:

Maximum Current Output	Switch 1	Switch 2	Switch 3	Switch 4	DIP Switch Setting
40A Maximum Current Output (Factory Default Setting)	UP	UP	UP	DOWN	
32A Maximum Current Output	UP	DOWN	UP	DOWN	
24A Maximum Current Output	UP	UP	DOWN	DOWN	
16A Maximum Current Output	UP	DOWN	DOWN	DOWN	

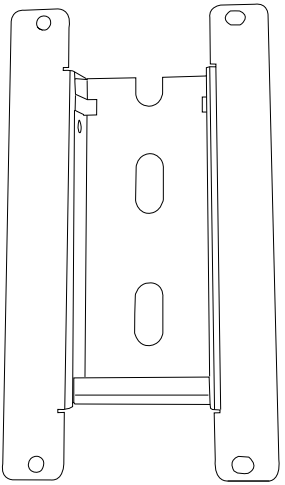
4. Once the DIP Switch Setting is adjusted, reassemble the charging station. Reinstall the top cover to the charging station using the following torque force to secure the 4 socket cap screws:

Screw	Torque
5/32”	13.88 lbf-in (1.56Nm)

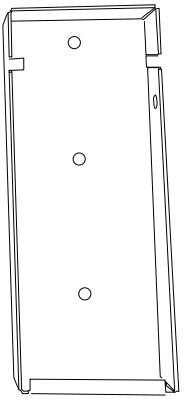
4. Installation

4.1 Install the Charging Station

1. Separate the front and back piece of the mounting bracket by pushing down on the notch.

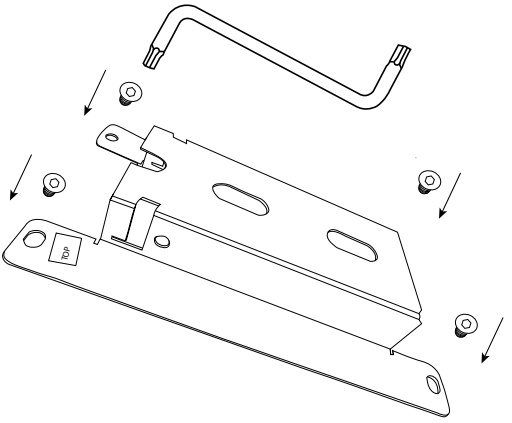


Front Piece

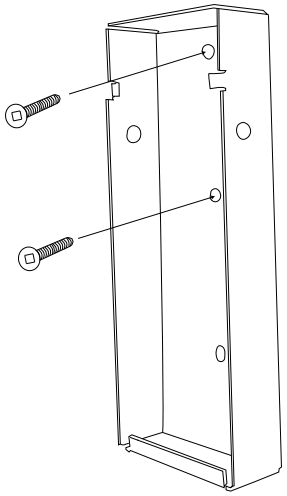


Back Piece

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



3. Secure the back piece of the mounting bracket to the wall or other suitable structure using the Back Plate screws.



The back piece of the mounting bracket has 3 holes to support attachment to various surfaces. Use the top two holes to attach the mounting bracket to a wall stud.

Mounting Screw Recommendations:

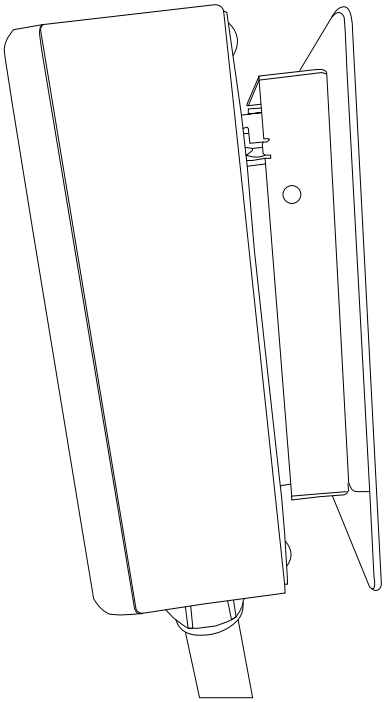
- For finished walls supported by wood studs, use #14 or M6 tapping screws. (Included).
- For masonry walls, use M6 mechanical screws. (Commercially available)
- Use following torque force:

Screw	Torque	
M6	43.4 lbf-in	44.85Nm
1/4"	43.4 lbf-in	44.85Nm

This device shall be mounted at a sufficient height from grade such that the height of the storage means for the coupling device is located between 600 mm (24 inches) and 1.2 m (4 feet) from grade.

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

The EVSE shall be installed with the power supply cord managed so that it cannot contact the floor once the EVSE is installed.

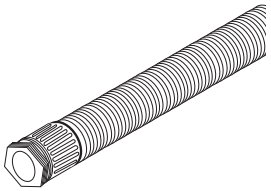


5. Secure the charger in place by inserting either the security pin or the outdoor security lock into the mounting bracket.
6. Plug in the power cord to the NEMA 14-50 or NEMA 6-50 Wall Outlet/Receptacle. Ensure the indicator light is Magenta, indicating the charger is ready and not connected to the Wi-Fi network.

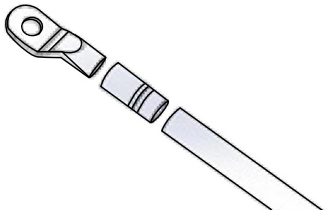
5. Wiring Connection

5.1 Optional Hardwire Connection

1. Choose the appropriate conduit in accordance with all applicable, local, and electrical safety codes and standards.



2. Using the appropriate tool, clamp the ring wire terminal to the copper wire. For non-insulated terminals, use heat shrink tube to cover the non-insulated portion of the terminal. Choose a terminal ring with the following characteristics:
   - » Recommended Wire Strip length: 8mm (0.32in)
   - » Width of the terminal block opening: 10.2mm (0.41in)



3. Remove the front cover by removing the 4 screws at each corner of the charging station. Use the Hex Key Tool to the remove front cover. Do not use power tools. For more information on how to remove the front cover refer to Chapter 3.1 Adjust Maximum Current Output.
4. With the front cover placed to the side, use Philips screwdriver to release terminal screws of the input cable. Loosen the Strain Relief Fitting for the 6-50 or 14-50 Plug and Remove the Plug. Remove the Strain Relief connector.
5. Insert the wire end passing through the conduit and insert them into the input wiring hole. (Use Red wire for L1, Black wire for L2, Green wire for G). Attach the copper wire on the corresponding terminal block. Use the following wire and torque force when connecting to input terminal block.

Terminal	Conductor	Screw	Rating	Torque
L1, L2, G	6-8 AWG (10AWG for ground)	M4	75C, copper wire	max 1.8Nm | 16 LBF.IN

CAUTION: To reduce the risk of fire, connect only to a circuit provided with the appropriate amperes minimum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70, and the Canadian Electrical Code, Part I, C22.1.

6. Once the input wiring and conduit are connected, reassemble the charging station. Reinstall the charging station font cover using the following torque force to secure the (4) screws:

Screw	Torque
5/32”	13.88 lbf in (1.56Nm)

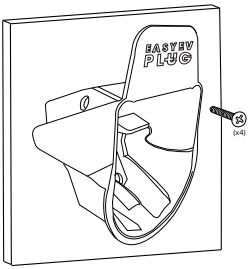
6. EasyEvPlug Holster and Cable Management System

The EasyEVPlug™ Holster or Tesla EasyEVPlug™ Holster is the new innovative method to protect the charging plug and manage the cord. It has the following features:

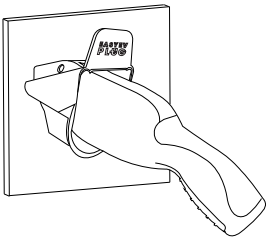
- No need to aim – flawless plug even in the dark.
- EV Charging Plug will always be in a convenient location.
- Saves space – special angle for less wall clearance.
- Integrated cable management – holds up to 25 feet of cable.

The EasyEvPlug holster can be installed at any location near the charging station.

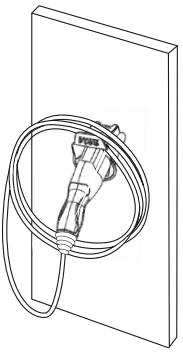
1. Hold back of holster against the mounting surface. Fasten Phillips head screws through back holes. Use anchors if attaching directly to drywall.



2. Insert charging connector into holster.



3. Wrap cable on top of EasyEvPlug.



Note: Remove rubber cap from charging gun before inserting into holster. Failure to do so may result in damage to the cap or holster.

7. Charging Status Indicators and Buzzers

7.1 Charging Status Indicators

The following Status Indictors will be used:

LED Indicator	Buzzer	Description	Definition
	No Buzzer	White Steady	Initialization
	No Buzzer	Magenta Steady	Charger Ready and Not Connected to Server
	No Buzzer	Blue Steady	Charger Ready and Connected to Server
	No Buzzer	Blue Flashing	Vehicle Detected
	No Buzzer	Green Flashing	Charging in progress
	No Buzzer	Green Steady	Charging complete or no current consumed by the car
	No Buzzer	Yellow Steady	Vehicle not detected. Charging restricted by limits.
	No Buzzer	Yellow Flashing	Vehicle detected. Charging restricted by limits.
	No Buzzer	Green + Yellow Alternating	Charging Not Complete + restricted by limits
	Buzzer Beeps	Red Flashing	Fault

7.2 Fault Indicators

The number of red flashes indicates the type of fault:

LED Indicator	# of Flashes	Error Description
Red Flashing	1	Lost ground - AC Line1
Red Flashing	2	GFCI High Leakage
Red Flashing	3	Relay is stuck
Red Flashing	4	GFCI Low Leakage
Red Flashing	5	High temperature of the module
Red Flashing	6	High temperature of the relay
Red Flashing	7	Pilot state is Status E
Red Flashing	8	Pilot state is Status F
Red Flashing	9	Diode error
Red Flashing	10	Over Current
Red Flashing	12	Application Error

7.3 Self-Monitoring and Recovery (Auto Restart)

If charging session is interrupted due to a temporary error condition, it will automatically restart charging when the cause of the error is cleared. The status indicator will flash RED, with the number of flashes indicating the error, until the condition is resolved.

- All error conditions are able to Self-Recover if the error condition is cleared.
- The charging session will be stopped when the error condition occurs. The charger will self-monitor the error condition. If the error condition is cleared the charger will automatically reset in 60 seconds. If the error condition is not cleared the charger will continue to display a RED error light.
- If the error condition occurs within 5 seconds of the start of a charging session a permanent fault will trigger.

7.4 Reset Charger

In the instance of a fault, it is recommended to perform a reset:

1. Count the number of flashes to identify the error type.
2. Unplug the charging connector from the EV.
3. Turn off the power to the Charging Station by unplugging the charger or setting the upstream circuit breaker to the OFF position.
4. Wait 1-2 minutes and then power on the charging station.
5. Confirm the Fault light is no longer present.
6. If the Fault light remains, contact United Chargers and submit the Technical Support Form.

8. Set Up Smart Functionality

8.1 Network Requirements

The Grizzl-E Smart charger will perform best with a stable and strong Wi-Fi internet connection.

Weak or unstable internet connections can limit performance of EV charger and prevent communication with the vehicle.

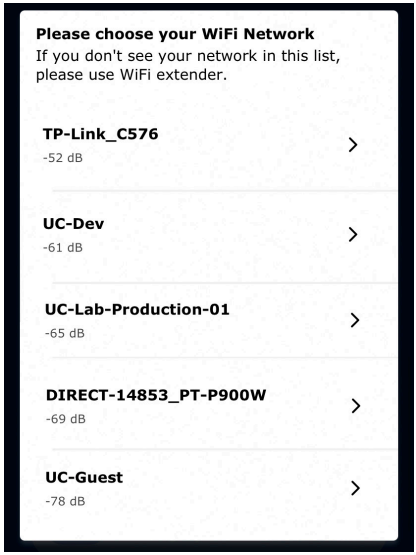
Basic Requirements

- ✓ 2.4 GHz band Wi-Fi Network (Not 5 GHz)
- ✓ Signal strength of −67 dB or better received by the charger
- × Some firewalls may prevent or disrupt charger communications

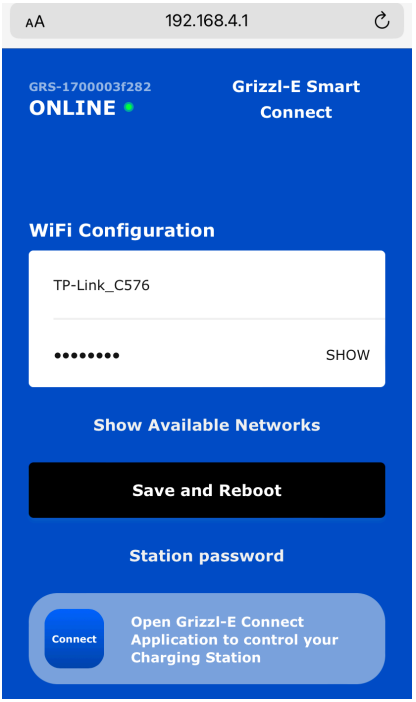
8.2 Connect the Grizzl-E to Wi-Fi

1. Ensure charger is powered on and not plugged into the vehicle.
2. Connect to the charger's Wi-Fi network. The Grizzl-E Smart Wi-Fi network will be the serial number. Example **GRS-170000000123**. The password for the network is **password**.
3. In a web browser, enter the IP address **192.168.4.1**. The Wi-Fi configuration screen will load.
4. Select the **Show Available Networks** button.

5. Find the Wi-Fi network from the list of available networks. Ensure the network signal strength is greater than -67 db. If the signal strength is worse than -67 db a Wi-FI extender must be installed. Select the network to auto-fill the network name field.



6. Enter the Wi-Fi password.
7. Select the **Save and Reboot** button. Wait for the charger to connect to the network.



If the connection is successful the indicator light on the Grizzl-E will be BLUE

If the connection is unsuccessful the indicator light on the Grizzl-E will be MAGENTA

Not Connected

Magenta

Connected

Blue

8.3 Change W-Fi Network

Follow the directions in Chapter 8.2 Connect the Grizzl-E to Wi-Fi to change network credentials. Delete credentials for the previous network and insert new network credentials.

8.4 Troubleshoot Connection Errors

If the charger is not connecting to the network ensure the following:

- Ensure network frequency is 2.4GHz.
- Ensure that signal strength is adequate.
- Ensure Wi-Fi Password is correct.
- Check if Network Filters/Firewalls are blocking charger communication

2.4 GHz band Wi-Fi Network:
Grizzl-E Smart only connects to a 2.4GHz Wi-FI frequency. Ensure the home Wi-Fi network has a dedicated 2.4GHz WI-Fi band with its own SSID.

Before connecting Grizzl-E Smart, check the network frequency in network properties on PC or Android.

For Dual Band 2.4GHz/5GHz Routers do one of the following:

- Create a separate SSID for the 2.4GHz and 5GHz network. For example, *network_name_2.4G* and *network_name*-5G.
- On Routers that have the ability, turn off 5G band and connect to 2.4GHz band.
- Install a 2.4GHz Wi-Fi extender with a separate extension network for the charger.

Signal Strength
Ensure a Wi-Fi signal strength greater than −67 dBm or where the charger is located.

Check the Wi-Fi signal strength to ensure a quality EV charging experience. Follow the directions in Chapter 8.2 Connect the Grizzl-E to Wi-Fi to view the signal strength that the charger is recieving.

For locations that don't have a sufficiently strong Wi-Fi signal, consider changes to improve signal quality:

1. The simplest solution is to move the Wi-Fi router as close to the EV charger as possible.
2. Wi-Fi repeaters or extenders can boost the signal of existing access points.
3. Multiple access points may be required to provide network coverage.

Password
Ensure the Wi-Fi Password entered matches the Wi-Fi network settings exactly. Grizzl-E Smart will recycle the connection if password information is incorrect.

The password limit for the Grizzl-E Smart is 38 characters. Grizzl-E Smart will not connect to Wi-Fi networks with passwords longer than this limit.

Network Filtering/Firewalls
Some firewalls may prevent or disrupt charger communications

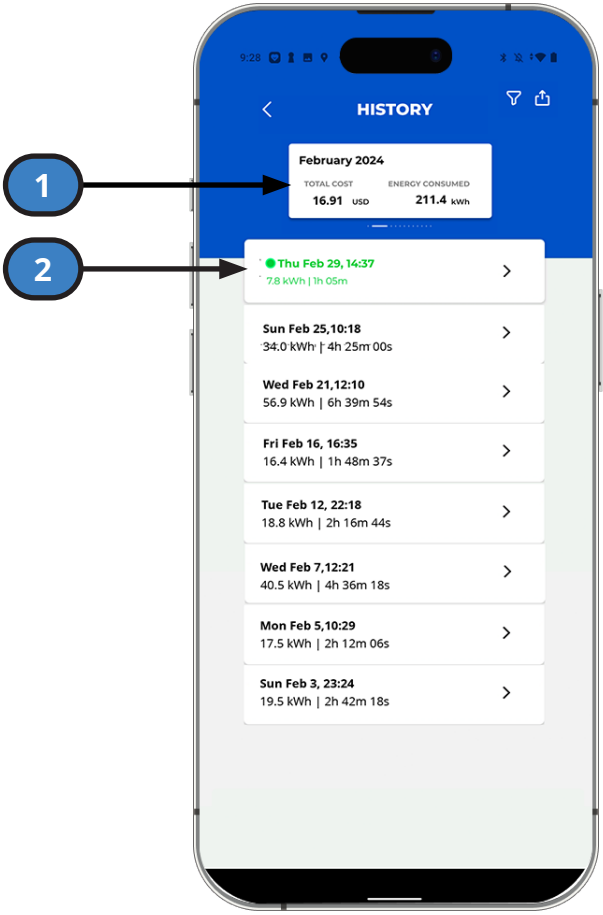
Check the blocked clients list in the Wi-Fi router settings to see if a Network Filter is blocking the Grizzl-E Smart. Follow the router's directions to access the list of blocked clients. Grizzl-E will appear on the client list as **Expressif**.

9. App Functions

Home Page

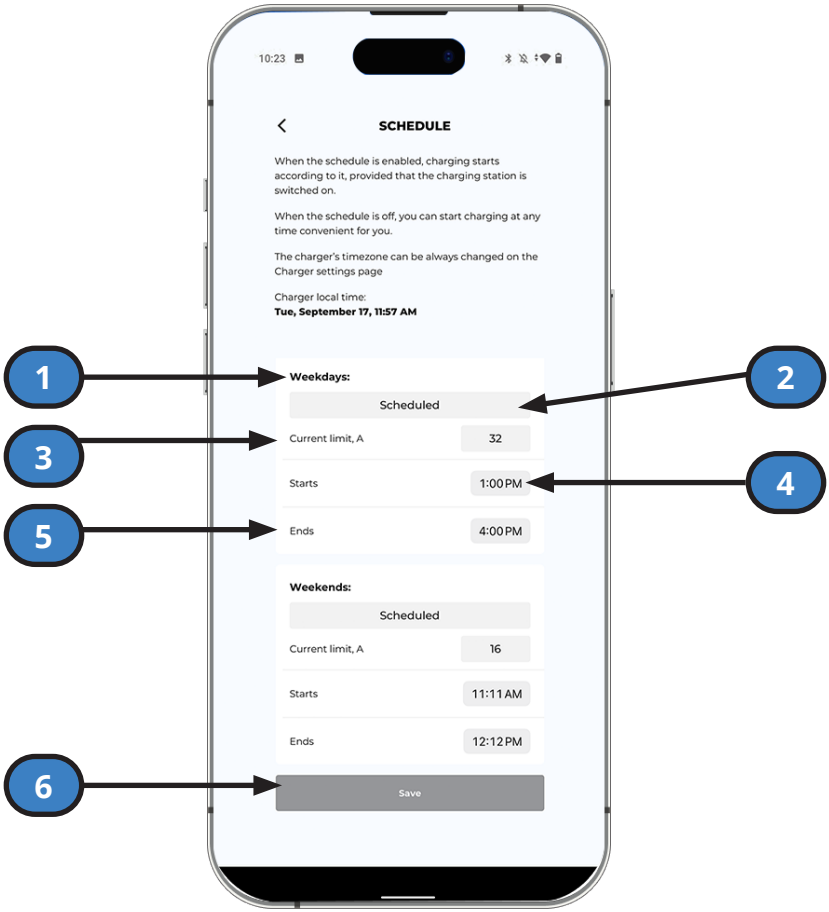
1. **Dashboard:** Select a charger or add a new charger.
2. **Account Settings:** Edit account and profile settings.
3. **Charger Serial Number**
4. **Charger Connectivity Status**
5. **Charger Status:** Ready to Charge, Charging, Disabled, Scheduled, Error or Off-line.
6. **Disable:** Unit will not charge when plugged into vehicles. Overrides existing schedules.
7. **Charge Now:** Unit will automatically start charging when plugged in the vehicle.
8. **Scheduled:** Charger will follow set schedule. Select Edit Schedule to set schedule.
9. **Charging History:** View History.
10. **Edit Schedule:** Set Schedule.
11. **Charger Settings:** Go to Charger Settings.
12. **Events:** View charger's events log.
13. **Edit Prices by Zone:** Set prices for defined times. See Price Per Zone.

History



1. **Monthly Summary:** Total cost and energy consumed in the month. Swipe to see previous months.
2. **Charging Sessions:** List of previous charging session. Select charging session for detailed statistics and chart.

Schedule



1. **Weekday/Weekend:** Set separate schedule for Monday - Friday and Saturday - Sunday.
2. **Schedule Toggle:** Select to enable schedule.
3. **Current limit, A:** Set current limit in Amps for schedule.
4. **Start Time:** Select to adjust schedule start time.
5. **End Time:** Select to adjust schedule end time.
6. **Save:** Save and apply schedule.

Charger Settings

1. **Charger Info:** Model, Manufacturer, Serial Number, Firmware Version.
2. **Time Zone:** Set Timezone Automatically or Manually for schedules and charging history. See Time Zone.
3. **Share Station:** Add another user to the station. See Share Station.
4. **Max Current:** Adjust the maximum current of the charger. See Max Current.
5. **Firmware Update:** Displays firmware version and if new firmware is available. Select Update button to install latest firmware on charger.
6. **Charger's Name:** Give a custom name to your charger.
7. **Reboot:** Reboot the charging station.

Time Zone
The Charger uses the Time Zone to calculate schedules and price per zone.

Update the time zone to match your local time to maintain accurate information. If you move the Charger into a different time zone, update it to prevent timing errors.

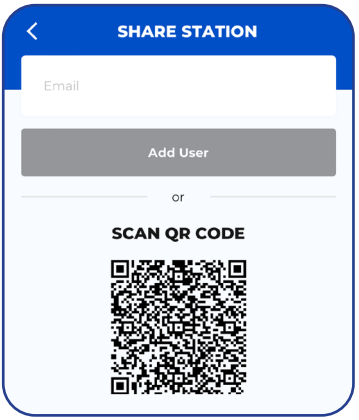
Share Station
Give other users access to your station top set schedules, view history, and view events.
To Share Station:

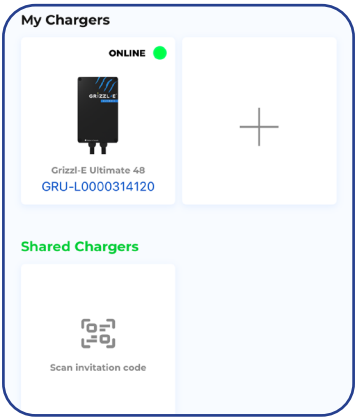
User Email:

1. Enter the User's email address into the **Email** field.
2. Have the User go their Dashboard and accept the sharing request.

QR Code

1. Display the QR Code on your device.
2. Have the User go to their Dashboard and select **Scan Invitation Code**.
3. Scan the QR Code to add charger.

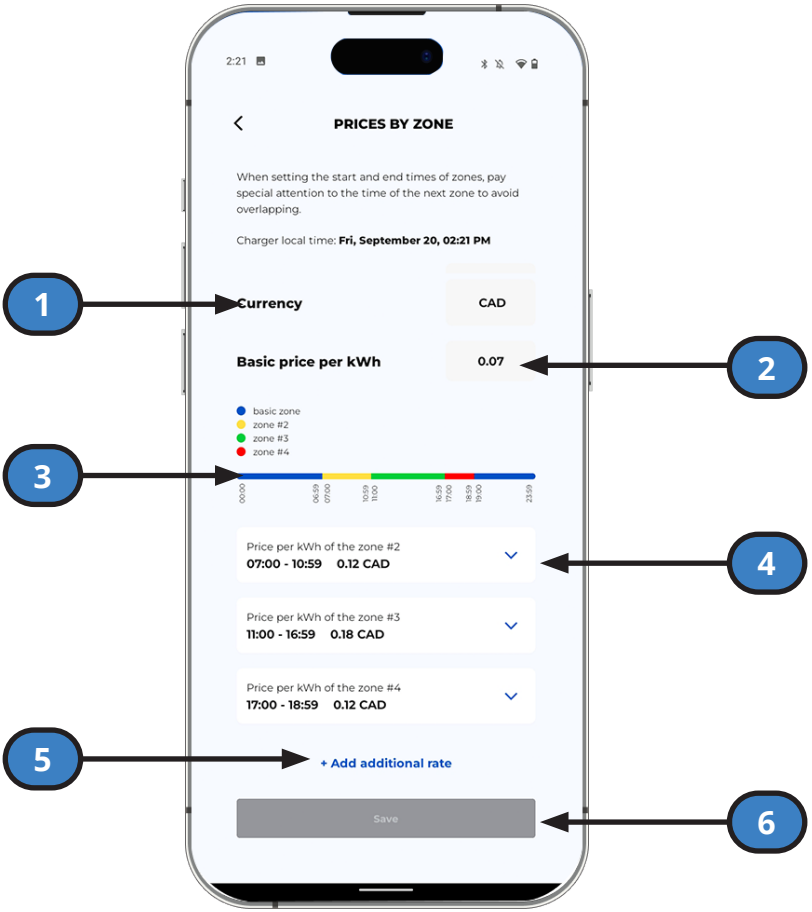




Max Current
Current can be adjusted in increments of 1A from a minimum of 7A to the maximum determined by the DIP switch settings.

Only Maximum Current settings equal to or less than the DIP switch settings will display. See the or information on how to change the Maximum Current through the DIP switches.

Price Per Zone



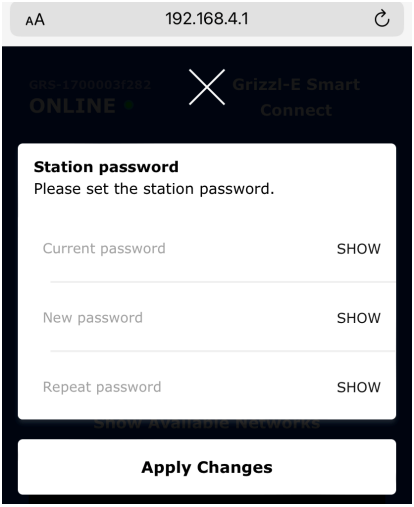
1. **Currency:** Set currency
2. **Basic price per kWh:** Default price of charging per kWh.
3. **Chart:** Shows breakdown of pricing zones over 24 hours.
4. **Rate Zones:** User defined pricing for time periods.
5. **Add additional rate:** Select to set charging prices over a time period.
6. **Save:** Save all changes before exiting.

10. Station Wi-Fi Network

10.1 Change Station Wi-Fi Password

Change the Charging Station's Wi-Fi password for greater security.

1. Ensure charger is powered on and not plugged into the vehicle.
2. Connect to the charger's Wi-Fi network. The Grizzl-E Smart Wi-Fi network will be the serial number. Example **GRS-170000000123**. The password for the network is **password**.
3. In a web browser, enter the IP address **192.168.4.1**. A Wi-Fi configuration screen will load.
4. Select the **Station Password** button.
5. Enter the station's Current Password. Default is **password.**



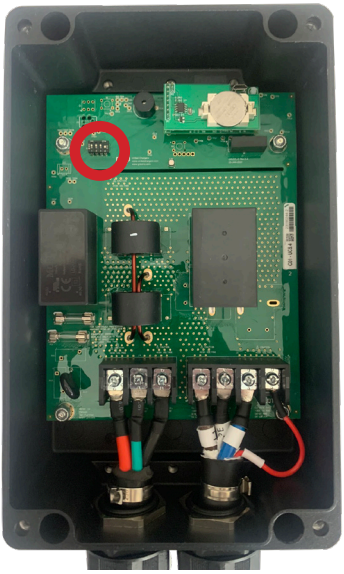
6. Enter a new password in the New Password field. Password must be more than 8 characters.
7. Confirm the new password in the **Repeat Password** field.
8. Select the **Apply Changes** button. Wait for Charger to reset and apply the changes.
9. Exit the browser page and connect back to your home Wi-Fi network. The station network will require the new password to reconnect.

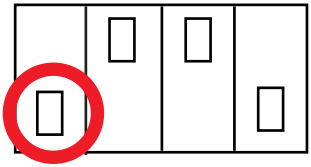
10.2 Reset Wi-Fi

Use the Reset Wi-Fi procedure to clear Wi-Fi credentials from the charger.

- The entered Wi-Fi credentials, SSID and Password will be cleared from the station's memory and will return to factory default settings.
- The station's Wi-Fi password will be reset to the factory default **password**.

1. Turn off power to the Charging Station.
2. Remove the front cover by removing the 4 screws at each corner of the charging station. For more information on how to remove the front cover, refer to Chapter 3.1 Adjust Maximum Current Output.
3. With the front cover placed to the side, locate the DIP switch on the charging station circuit board. The DIP switch is a 4-position switch on the main circuit board, located directly to the left of the LED.
4. Move the DIP Switch #1 to the OFF position. This applies to all 40A, 32A, 24A, 16A amperage settings.





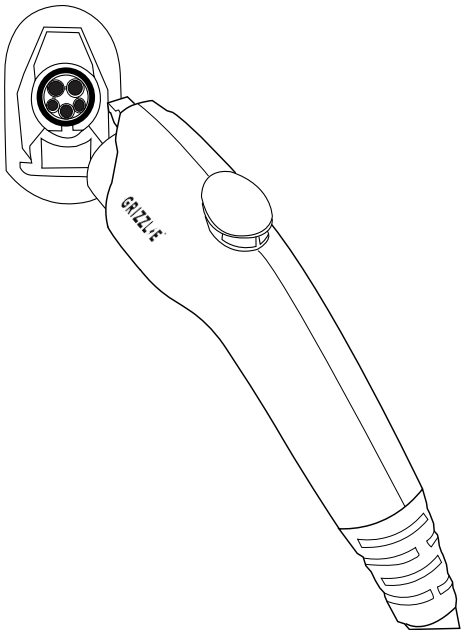
5. Turn on power to the charging station. Wait 2 Minutes for Wi-Fi to reset.
6. Turn off power the Charger again.
7. Set the DIP switch back to the original ON position. If the DIP switch is not returned to the ON position the unit will reset Wi-Fi on every reboot.
8. Replace the enclosure lid by tightening the 4 screws at each corner.
9. Turn on power to the charging station.
10. Follow the instructions from Chapter 8.2 Connect the Grizzl-E to Wi-Fi to reconnect to the Wi-Fi network.

11. Operation

11.1 Connect and Charge

1. Press down on the latch release button. Ensure latch release button is fully compressed.
2. Insert the charging Connector into the EV and ensure the connector is fully seated/locked in place. Once complete, the charging session will begin.

Charging will start in both Connected Mode (Blue indicator LED) and Standard Mode (Magenta indicator LED).



11.2 Stop Charging

1. Press down on the latch release button. Ensure latch release button is fully compressed.
2. Remove the Charger Connector from the EV
3. Return the connector to the holster.

12. General Product Care and Use Information

The exterior of the charging station is designed to be waterproof and dust proof (NEMA 4 Outdoor Rated). However, periodic cleaning may be required, depending on local conditions. To ensure proper maintenance of the charging station, follow these guidelines:

- To avoid damaging the finish of the products, only use an automotive grade soft cleaning cloth with soap and water to remove accumulated dirt and dust. Do not use cleaning solvents to clean any of the product components.
- Despite the water resistance of the enclosure, submerging the unit in water is not recommended.
- Ensure the charging connector is put back in the holster after charging to avoid damage.
- Ensure the power cable is stored on the charging station after use to avoid damage.
- Do not hang the charging gun upside down with the cap on outdoors, as water may accumulate in the cap. This may cause oxidation which leads to a blue residue on the connectors.
- If the power cable or the charging connector is damaged, turn off the charging station supply circuit breaker, do not use the charging station, and Contact United Chargers Customer Support for replacement parts.
- When moving or lifting the unit, always grasp and carry by the charging station body. Never attempt to lift, move, or carry the unit by any of the electrical cables. Improper handling may cause damage to the unit.

Warranty

GRIZZL-E ™ Smart EV Charging Stations 3-Year or 5-Year Replacement Warranty.

Grizzl-E comes with the option of a 3-year or 5-year manufacturer's warranty. This warranty is extended by United Chargers to original purchasers of GRIZZL-E™ EV Charging Stations. 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, replace the charging station until the defect is resolved.

This warranty will not apply if the product has been misused, abused, or altered. The warranty does not cover cosmetic damage such as scratches, dents, or normal aging. 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 waterproof rating of the enclosure cannot be guaranteed if the charger is mounted upside down. The warranty will apply only if the product is defective. United Chargers does not Warrant that any software services for Wi-Fi-connected Smart Units will be error-free or operate without interruption.

The warranty for the cable does not include normal tear and wear. Plugs exposed to snow or water for an extended time are not covered by this warranty. The warranty for the cable does not include cables that have been run over, pulled, or otherwise damaged by the vehicle.

Warranty claims submitted within 60 days from purchase will be replaced with a new unit. Warranty claims submitted after 60 days will be replaced with a refurbished unit.

United Chargers assumes no liability for any dismantling, removal, installation, re-installation, or labour costs or any consequential damages associated with this warranty. United Chargers is not responsible or liable for any costs associated with faulty installations. United Chargers shall make the final decision, in fairness to all concerned, as to the legitimacy of any such claim on this warranty.

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Visit our Technical Support page:
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The most up to date User Manual is available online at:
https://grizzl-e.com/user-manuals/