GRIZZL-E™

GRIZZL-E MINI CONNECT 40A

EN Installation Manual and User Guide



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GRIZZL-E MINI CONNECT USER MANUAL

This manual is for the operation of the Grizzl-E MINI CONNECT EVSE. This manual includes information on the safety, installation, operation, moving, and storage of the EVSE. This document provides instructions for the listed model numbers and should not be used for any other product.

The user assumes full responsibility for ensuring the safe and correct use of this product. Failure to do so may result in injury or damage. Read all the instructions carefully and exercise caution when using this product.

Manual Revision: 3.0

October 30, 2026

Model Numbers:

- GRM-070-W-14-25DJ40-A-GB
- GRM-070-W-14-25IJ40-A-GB
- GRM-070-W-14-25SN40-A-GB
- GRM-070-W-14-25TJ40-A-GB

GRIZZL-E

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IMPORTANT SAFETY INSTRUCTIONS

This document contains instructions and warnings that must be followed when operating the Grizzl-E Mini Connect Level 2 Electric Vehicle Supply Equipment (EVSE). Before 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 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.
- Ensure 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 RISK OF FIRE OR ELECTRIC SHOCK

Basic precautions should 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 shows 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 you are in doubt as to whether the product is properly connected and grounded.

SAVE THESE INSTRUCTIONS

USER MAINTENANCE INSTRUCTIONS

The EVSE does not require routine maintenance. Check before each charging session to ensure that cables and enclosure remain in good working order and no damage exists.

The exterior of the charging station is designed to be waterproof and dustproof (UL Type 4 Indoor/Outdoor Rating). However, periodic cleaning may be required.

To ensure proper maintenance of the charging station, follow these guidelines:

- Only use an automotive-grade soft cleaning cloth with soap and water to clean. Do not use cleaning solvents.
- Submerging the unit under water is not recommended.
- Ensure the output cable is stored on the holster after use to avoid damage.

Do not attempt to open, disassemble, repair, tamper with, or modify any components of the product. Contact Technical Support for any repairs.

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.
- Store the unit in a dry location, away from standing water.
- Store the unit at a temperature between -30 °C (-22 °F) to 70 °C (158 °F).



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.



WARNING: The service wiring in this section is specific to North America. Before installing the charging station, identify the type of utility connection on site. If you are unsure about the available connection on the service panel, contact a licensed electrician.

FCC Declaration of Conformity

This charging station complies with part 15 of the FCC Rules. Changes or modifications to the charging station not expressly approved by the manufacturer could void FCC compliance.

1. This charging station does not cause harmful interference.
2. This device accepts any interference received, including interference that may cause undesired operation.

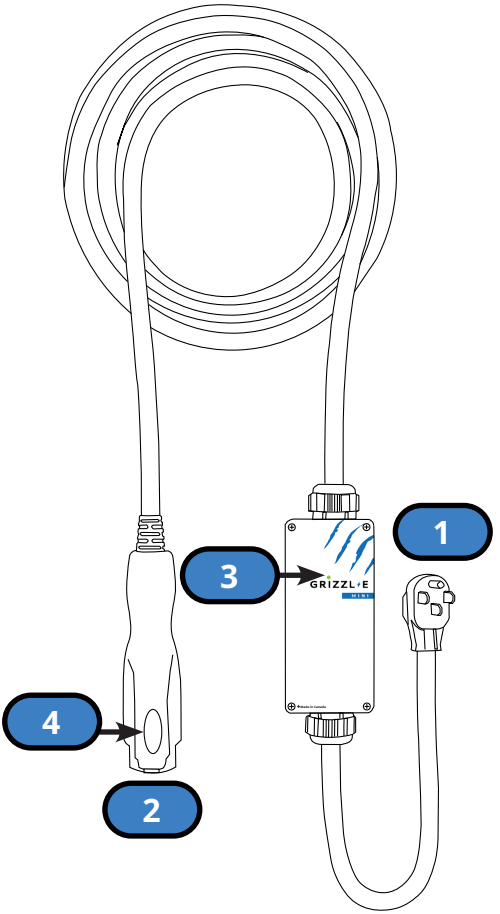
PRODUCT SPECIFICATIONS

Description	Specifications
EVSE Level	AC Level 2 / AC Level 1
Charging Connector	SAE J1772 or NACS
Max Output Rating	40 A; 9.60 kW Maximum Output – For use with 50 A Circuit Rating
Adjustable Output Ratings	240 V Outlet 39 A; 9.36 kW - 7A; 1.9 kW or 120V Outlet 24 A; 2.88 kW - 7A; 0.84 kW
Charge Cable Length	25 ft. (7.6 m)
Electrical Circuit / Input Power Requirements	Dedicated Single Phase 208 VAC / Split Phase 240 VAC 50/60 Hz. Branch Breaker: Double pole; Circuit Conductors: Line 1, Line 2, Ground OR Dedicated Single Phase 110-135 VAC 50/60 Hz. Circuit Conductors: Line 1, Line 2, Earth/Ground
Input Power Connection	NEMA 14-50 Plug; electrical adapters
Installation Rating	UL Type 4 Indoor/Outdoor Rating Indoor/Outdoor Rated
Operational Ratings	Temperature: -22 °F to 122 °F (-30 °C to 50 °C); Humidity: 95% RH non-condensing
Dimensions	EVSE: 10.25 x 6.25 x 3.75 inches (26.0 x 16.0 x 9.3 cm)
Overall Weight	16 lbs. (7.25 kg)
Connectivity	2.4 GHz Wi-Fi network
Display & Indicators	LED Charge Status Indicators (Power/Ready, Charging, Fault)
FCC ID / AC ID	2AC7Z-ESPWROOM32UE
Certifications	UL Certified E510712; Energy Star Certified

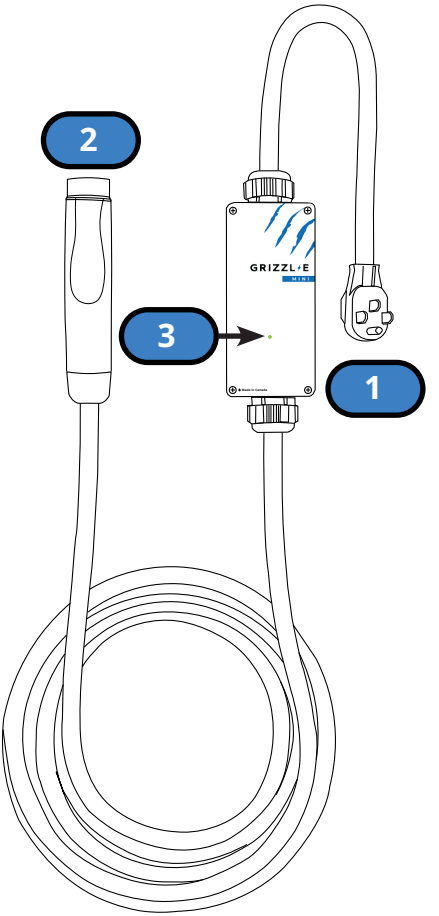
INTRODUCTION AND UNPACKING

YOUR CHARGER

Version 1



Version 2



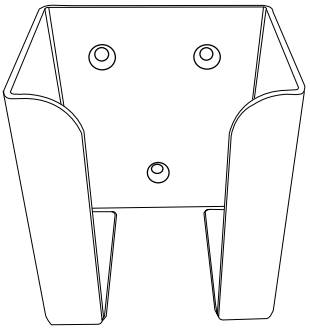
Note: Grizzl-E Mini Connect may come in either Version 1 or Version 2 with different orientations of the Input and Output Cable.

Charger Components

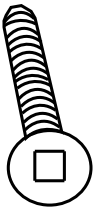
1. Input Cable 14-50P
2. Output Cable J1772/NACS Connector
3. Indicator Light
4. Latch Release Button (J1772 Only)

PACKAGE CONTENTS

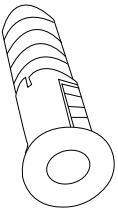
Mounting Kit



Mounting Bracket

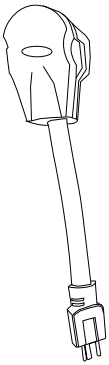


Mounting Screw (x4)

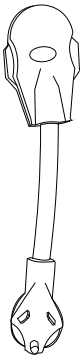


Anchor (x4)

Electrical Adapters



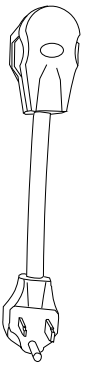
NEMA 14-50R to NEMA 5-15P



NEMA 14-50R to NEMA TT-30P

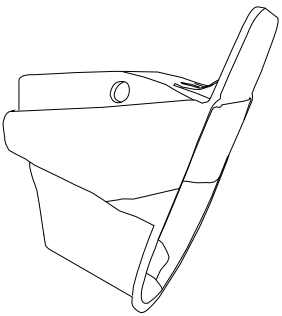


NEMA 14-50R to NEMA 14-30P

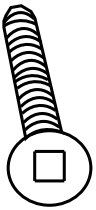


NEMA 14-50R to NEMA 6-50P

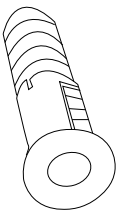
Holster Kit



EasyEVPlug Holster



Mounting Screw (x4)



Anchor (x4)

INSTALLATION PLANNING AND SERVICE WIRING



WARNING: Disconnect the power supply to the charging station before installing or adjusting the charging station. 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 10-50 amperes maximum branch circuit overcurrent protection requirements in accordance with the National Electrical Code ANSI/NFPA 70 and the Canadian Electrical Safety Code, Part 1, C22.1. If you are unsure if your circuit meets these requirements, consult a qualified electrician.

ELECTRICAL SOURCE REQUIREMENTS

Prior to using Grizzl-E Mini, ensure the electrical source can support the following Input Requirements for the Charging Station Per local Electrical Safety Code requirements:

- 208-240VAC 16A-40A or 110-120VAC 7A-12A Dedicated Circuit
- A Double Pole Circuit Breaker of the circuit rating must be used.
- Requirements govern that only 80% of the circuit rated load may be utilized.
- The Charging Stations can connect to a Standard NEMA 14-50 Receptacle, or the provided adapters can be used.



WARNING: Grizzl-E Mini must use the original NEMA 14-50 plug with or without the provided electrical adapters. Do not attempt to disassemble the unit to hardwire or change the plug. Do not modify the plug provided with the product. Doing so will void the warranty.

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.

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.

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.

GFCI

The Charger is equipped with GFCI. Additional downstream GFCI is not required.
In locations where GFCI at the outlet is mandated by code, the charger will not experience adverse effects.

GRIZZL-E MINI ADAPTERS

Grizzl-E Mini can work with either a 240V or 120V dedicated circuit.

Grizzl-E Mini automatically detects the outlet voltage and adjusts settings based on the voltage.

Grizzl-E Mini can work with the following adapters:

- NEMA 14-50R - NEMA 5-15P. 110-120V VAC. Max 12A.
- NEMA 14-50R - NEMA TT-30P. 110-135 VAC. Max 24A.
- NEMA 14-50R - NEMA 14-30P. 208-240 VAC Max 30A.
- NEMA 14-50R - NEMA 6-50P. 208-240 VAC. Max 50A.

For more information on the adapters, see "Grizzl-E Mini Adapters" on page 12.

MAXIMUM CURRENT OUTPUT

The GRIZZL-E Mini EVSE has the ability to adjust the maximum current output from 7A-40 using either Smart Features or DIP switches. To set the current limit through Smart Features, connect to the GRIZZL-E Connect App or use Local Smart Features.

Requirements govern that only 80% of the circuit-rated load may be utilized.
The charging station default factory maximum current output setting is 40A.

ADJUST MAXIMUM CURRENT BY DIP SWITCHES

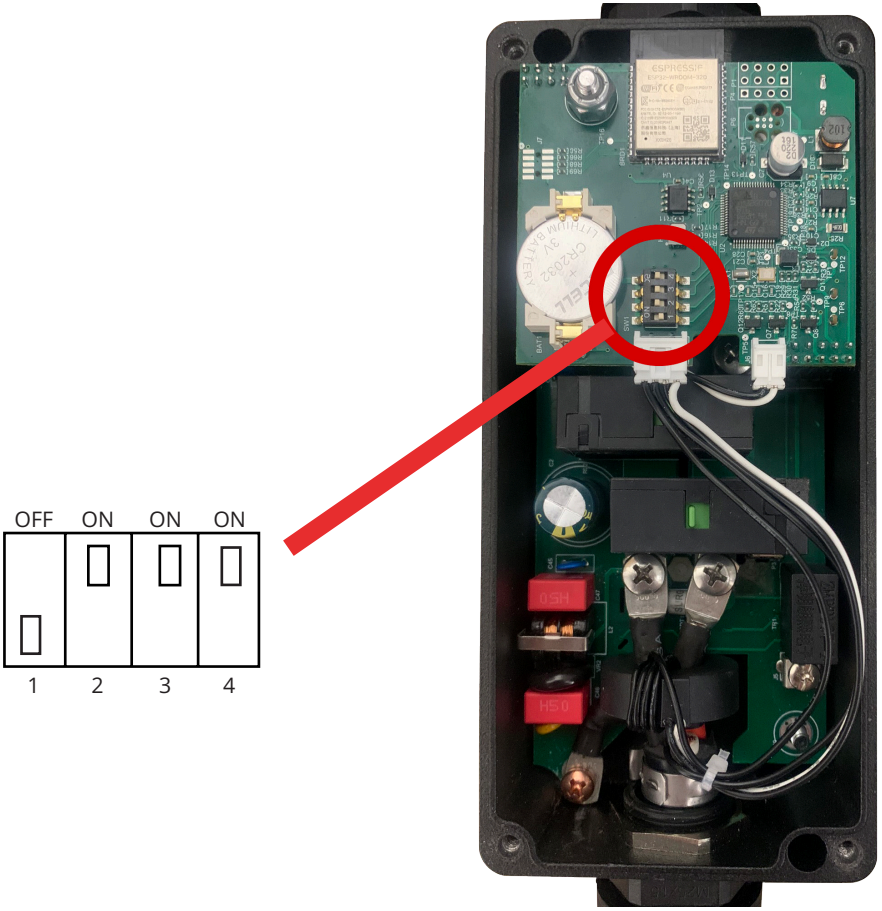
If local electrical codes require a physical switch to govern the maximum current settings, adjust the DIP switch settings:

1. Ensure the unit is unplugged. Secure the Charging Station on a flat surface with the front cover facing out.
2. Remove the front cover by removing the 4 screws at each corner of the charging station. Use a 7/64" (2.5mm) hex key to remove the cover screws.



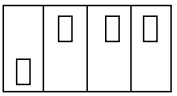
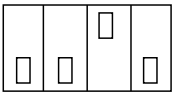
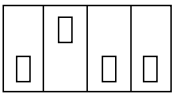
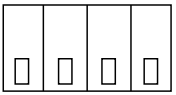
CAUTION: The LED pipe is attached to the front cover. When the front cover is removed, place it on a flat surface facing down to avoid damage to the LED pipe.

3. Locate the DIP switch on the charging station circuit board. The DIP switch is a 4-position switch on the main circuit board.



WARNING: Do not touch live electrical parts. Disconnect the power supply to the charging station 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.

4. Adjust the DIP Switches to 40A, 32A, 24A, or 16Ausing 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)	OFF	ON	ON	ON	
32A Maximum Current Output	OFF	OFF	ON	OFF	
24A Maximum Current Output	OFF	ON	OFF	OFF	
16A Maximum Current Output	OFF	OFF	OFF	OFF	

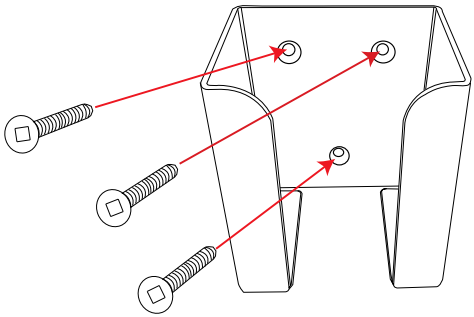
Once the DIP Switch Setting is adjusted, reassemble the charging station. Reinstall the top cover to the charging station using the following torque force to secure the 4 cover screws:

Screw	Torque
PH2	16 kgf-cm | 13.88 lb-in

INSTALLATION INSTRUCTIONS – MOUNTING BRACKET

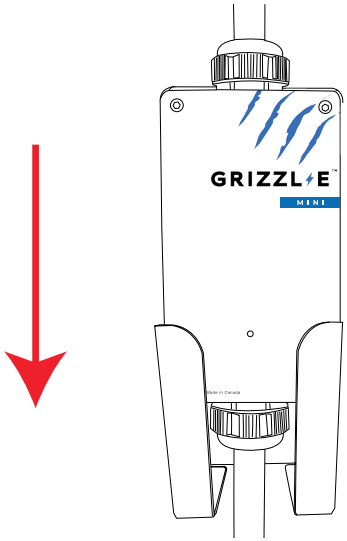
Prior to mounting, determine the location of an acceptable mounting support. All charging station products must be anchored into a mounting support such as a 2" x 4" stud or a solid concrete wall. DO NOT mount this unit directly to a stucco/drywall/wall board.

1. Secure the back piece of the mounting bracket to the wall or other suitable structure using the Mounting screws.



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 0.6m (24") and 1.2 m (48") from grade.

2. Slide the Mini Grizzl-E down into the mounting bracket. Slide the Grizzl-E Mini up out of the mounting bracket for a portable charger.



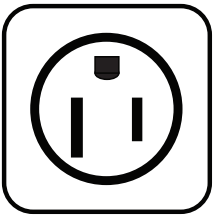
The EVSE shall be installed with the power supply cord managed so that it cannot contact the floor once the EVSE is installed and plugged into the outlet.

GRIZZL-E MINI ADAPTERS

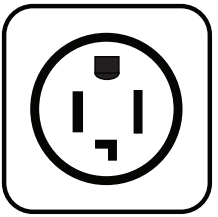
Grizzl-E Mini can work with either a 240 V or 120 V dedicated circuit.

Grizzl-E Mini automatically detects the circuit voltage and adjusts its settings:
At 208 V - 240 V the maximum output current is automatically set to 40 A.
At 110 V - 135 V the maximum output current is automatically set to 12 A.

Grizzl-E Mini adapters can work with the following circuits:



NEMA 6-50
208-240 VASC
Max 50A



NEMA 14-30
208-240 VAC
Max 30 A



NEMA TT-30
110-135 VAC
Max 30 A



NEMA 5-15
110-135 VAC
Max 15A



WARNING: Ensure the maximum current settings of the Grizzl-E Mini are compatible with the circuit. Grizzl-E Mini does not have the ability to detect the maximum amperage of the circuit. Use the DIP Switches, Grizzl-E Connect app, or local backend to set the maximum current before using the charger.

Set Maximum Current

Option 1: Set DIP Switches
Follow the directions in "Adjust Maximum Current by DIP Switches" on page 8.

Option 2: Use the Grizzl-E Connect App

1. Follow the directions in "GRIZZL-E Connect App" on page 18 to connect the charger to the Grizzl-E Connect application.
2. Set the **Current Limit** in the app.

Option 3: Set through the local smart features
Follow the directions in "Current limit, A:" on page 21.

120V Adapter 30A

Follow the directions in "120V Adapter 30A" on page 12.

PLUG IN CHARGER

Install an appropriate electrical receptacle outlet for the Grizzl-E Mini or its adapters.

Ensure the electrical receptacle complies with all regulations. Ensure the receptacle is rated EV Grade for continuous charging.

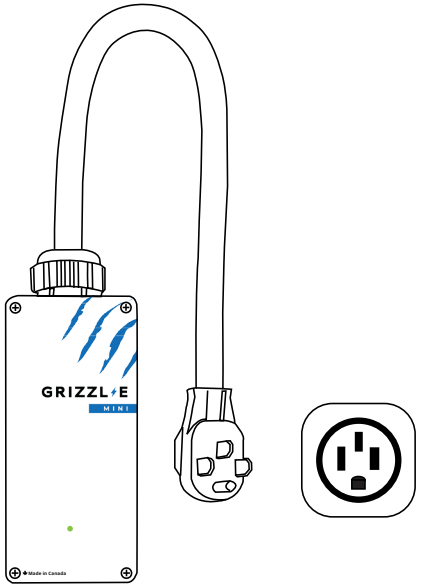
The input cable length is 16”-24” (40 cm - 60 cm) due to manufacturing variances. Measure the input cable length before plugging it into the receptacle.

WARNING: Installation of the receptacle must be performed by a licensed contractor, a licensed electrician, or a trained installation expert. Follow all applicable electrical codes and safety standards. Ensure that all parts and tools comply with regulations. Failure to wire the receptacle correctly may lead to risk of electrocution, personal injury, or fire.

Plug the NEMA 14-50 or adapter into the electrical receptacle.

Ensure the distance between the electrical receptacle and the charging station allows slack in the input cable.

Push the plug into the receptacle until it is completely seated. A fully inserted plug should not feel loose.



WARNING: There is a risk of fire if the receptacle is not torqued to specification. The receptacle can become loose during normal charger use. Check the receptacle torque once a month, and tighten it if it is out of specification.

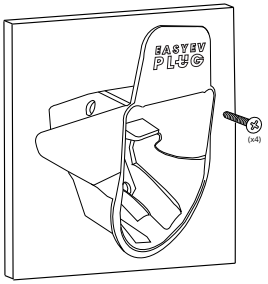
EASYEVPLUG HOLSTER AND CABLE MANAGEMENT SYSTEM

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

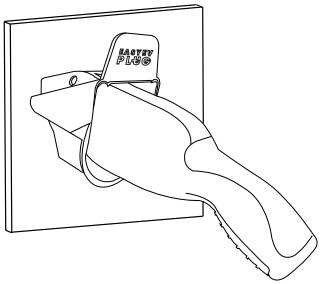
- No need to aim – flawless plug, even in the dark.
- Your EV holster will always be in a convenient location.
- Saves space – special angle for less wall clearance.
- Integrated cable management – holds up to 25 feet of cable.

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

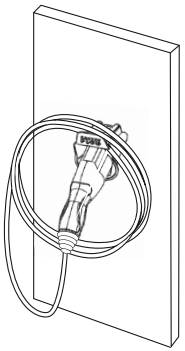
1. Hold the back of the holster against the mounting surface. Fasten Phillips head screws through back holes. Use anchors if attaching directly to drywall.



2. Insert the charging connector into the holster.



3. Wrap cable on top of EasyEvPlug.



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

OPERATION

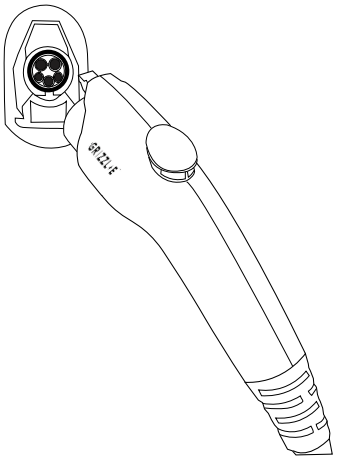
INSERT CHARGING CONNECTOR

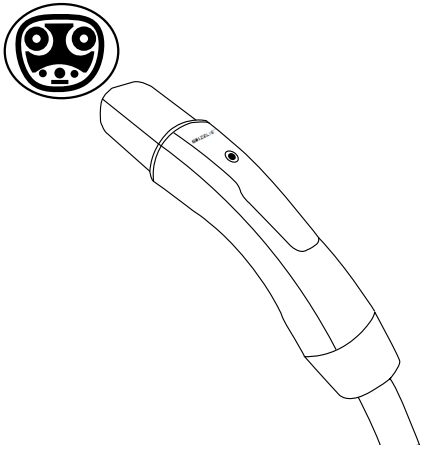
J1772

1. Press down on the latch release button. Ensure latch release button is fully compressed.
2. Insert charging Connector into EV and ensure the connector is fully seated/locked in place.
3. Release the latch release button.

NACS

Insert charging connector into the EV and ensure the connector is fully seated/locked in place.





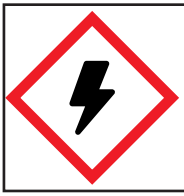
REMOVE CHARGING CONNECTOR

J1772

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.

NACS

1. Remove the Charger Connector from the EV
2. Return the connector to the holster.



WARNING: DO NOT tamper with the device. No User Serviceable parts inside.

CHARGING STATUS INDICATORS AND BUZZERS

INDICATOR LIGHTS

Grizzl-E Min Connect uses the following indicator lights for the charger status:

LED Indicator	Buzzer	Description	Definition
	No buzzer	White Steady	Initialization
	No buzzer	Magenta Steady	Charger Ready. Not connected to server.
	No buzzer	Blue Steady	Charger Ready. Connected to Server
	No buzzer	Blue Flashing	Vehicle detected. Ready to Charge.
	No buzzer	Green Flashing	Charging in progress.
	No buzzer	Green Steady	Charging complete. Stopped by vehicle.
	No buzzer	Yellow Steady	Vehicle not detected. Charging restricted by Smart Features.
	No buzzer	Yellow Flashing	Vehicle Detected. Charging restricted by Smart Features.
	No buzzer	Green + Yellow Alternating	Charging Not Complete + Charging restricted by Smart Features.
	Buzzer beeps	Red Flashing	Fault.

LED FAULT INDICATOR

When Grizzl-E Mini experiences an error, the red light will flash, and the buzzer will beep a specific number of times. The cycle will pause for 1 second and repeat.

The number of red flashes and beeps indicates the type of fault:

LED Indicator	# of Flashes	Error Description
Red Flashing	1	Lost ground
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	7	Vehicle Communication Error
Red Flashing	8	Undervoltage
Red Flashing	9	Diode error
Red Flashing	10	Over Current
Red Flashing	12	Application Error
Red Flashing	13	GFCI Self-Test Failure
Red Flashing	14	Overvoltage

SELF-MONITORING AND RECOVERY (AUTO RESTART)

When a charging session is interrupted due to a temporary error condition, it will automatically restart when the cause of the temporary error condition returns to normal. The status indicator lights flashes RED, with the number of flashes indicating the error condition.

- All error conditions can Self-Recover if the error condition is cleared.
- The charger will automatically reset if the error condition is cleared. 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.

ERROR TROUBLESHOOTING

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

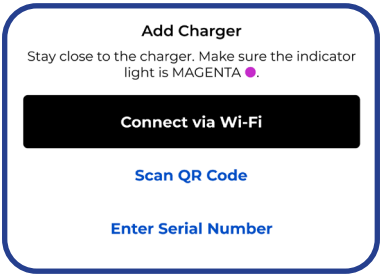
1. Unplug the charging connector from the vehicle.
2. Count the number of flashes to identify the error type.
3. Unplug the charging station or switch the upstream circuit breaker to the OFF position.
4. Wait 1-2 minutes, then plug the charging station back in.
5. Confirm the Fault light is no longer present.
6. If the Fault light remains, contact United Chargers Technical Support. Indicate the number of red flashes and error type.

GRIZZL-E CONNECT APP

Grizzl-E Connect is the exclusive app for Grizzl-E OCPP Wi-Fi connected chargers. Control your charging experience with scheduling, electricity rates, charging history, monitoring, and more.

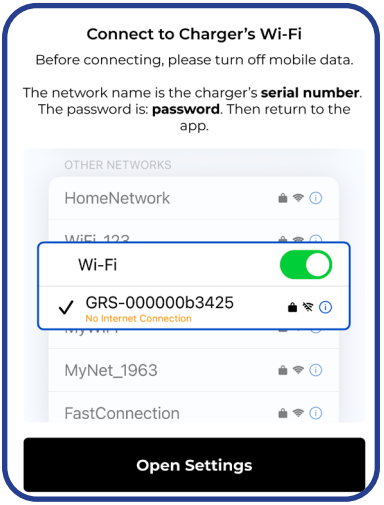
CONNECT VIA WI-FI

1. Open the app and go to the Dashboard. Select the **+** icon.
2. Select **Connect Via Wi-Fi**



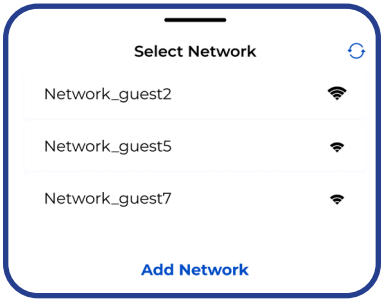
3. Select the **Open Settings** button. This will open your phone's Wi-Fi settings.
4. Select the Wi-Fi network matching your charger's **serial number**. Stay connected to the network even though there is no internet connection.

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 charger's Wi-Fi network.



Wait 30 seconds for your device to connect to the charger's Wi-Fi network. Ensure the device remains connected, with a check mark next to the network.

5. A list of networks detected by the charger will show. Select your home Wi-Fi network.



6. Enter your Home Wi-Fi password and select **Continue**.



7. Wait for the device to connect. Enter the charger's information and select the **Next** button.

Click the Link to view the
Complete online
Grizzl-E Connect User Manual

LOCAL SMART FEATURES

Local Smart Features are available when connected to the charger's Wi-Fi network. Follow the instructions in this section to access and use Local Smart Features.

- Local Wi-Fi Smart Features can be accessed by any device that connects to WI-Fi (Smart Phone, Laptop, Computer).
- The user must be within range of the charger's Wi-Fi network to access Local Smart Features.
- Grizzl-E Connect settings will override local smart features.

Access Local Smart Features

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

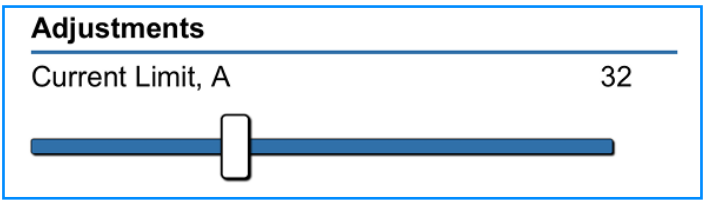
STATUS

Condition

Term	Definition
Status	Displays the real-time status of the charger.
Limit Status	Displays any limits on the charger.
Plugged In	Displays whether the charger is plugged into the vehicle.
Voltage	The measured voltage from the charger.
Current	The measured current being delivered to the vehicle.
Power, kW	The measured power delivered to the vehicle in kW.
Relay Temperature °C	The measured temperature of the charger's interior.
Session, kWh	The total kWh delivered to the vehicle since the start of the charging session.
Session Time	Total time of the charging session.
Session cost	The total charging session cost. Cost is calculated using the Session, kWh x the active Rate. For information on setting the rate, see Rates.
Rate	Displays the active rate used to calculate the Session Cost.
Total kWh	The total power delivered by the charger over its life.

Adjustments

Current limit, A:
Set the maximum current by using the slider:



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 Maximum Current Output for information on how to change the Maximum Current through the DIP switches.

If the charger detects a 120V circuit, the maximum current limit will be reduced to 12A.

Max Current settings through OCPP Grizzl-E Connect will override the local Current limit. The slider will automatically adjust to match Max Current settings in the application.

Caution: Requirements govern that only 80% of the circuit-rated load may be utilized. Always ensure the set current is 80% or less of the breaker rating when using the Current Limit Slider. The charger can not detect the circuit amperage limit.

Stop Charging:
Enable the button to stop the charging session. The charger will display a yellow indicator light. Disable the button to restart the charging session.

120 V Adapter 30 A
When using the NEMA 14-50R to NEMA TT-30P adapter, enable the **120 V Adapter 30 A** button to charge at a maximum of 24A.

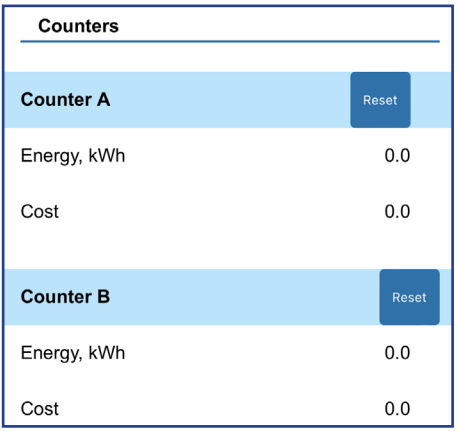


When enabled the **Current Limit, A** slider will have a new limit of 24A.

Counters

Two independent counters calculate the kWh and Cost of the charging:

- Select the **Reset** button beside Counter A or Counter B to reset the counter to 0.
- Counter will automatically track Energy kWh and Cost when the charging session begins.
- Use counters to track any period you wish. For example, one weekly and one monthly.

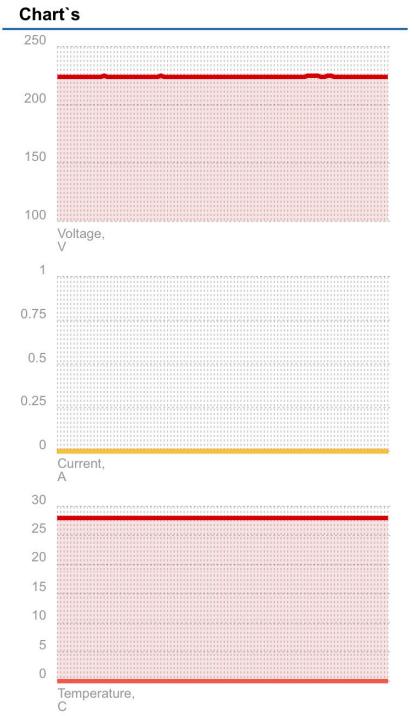


Charts

Three Charts will show on the bottom of the Status Page:

- Voltage (V)
- Current (A)
- Temperature (°C)

Charts will update in real-time to display information from the previous 15 minutes. Charts will automatically scale to fit all data. Previous chart information is not accessible.



TIMER

Charge Now

Disable Limits:
Enable the **Disable Limits** button to bypass all limits and schedules and begin the charging session. All set Limitations will be disabled.

One charge:
Enable the **One Charge** button to bypass all limits and schedules and begin the charging session. Set Limitations will save for the next charging session. The button will automatically disables when the one charging session is complete.

Limitations

Time Limit:
The charging session stops when the time limit is reached. The time limit will override any set schedules.

To set the Time Limit:

1. Enable the **Time Limit** button.
2. Set the Time using the scroll bar (HH:MM:SS). The timer will begin to count down once the time limit is set.

Energy Limit kWh:
The charging session stops once the energy limit has been reached. The Energy limit will override any set schedules.

To set Energy Limit:

1. Enable the **Energy Limit** button.
2. Set the Energy limit using the scroll bar. Energy is measured in kWh. The energy will count down once the energy limit is set.

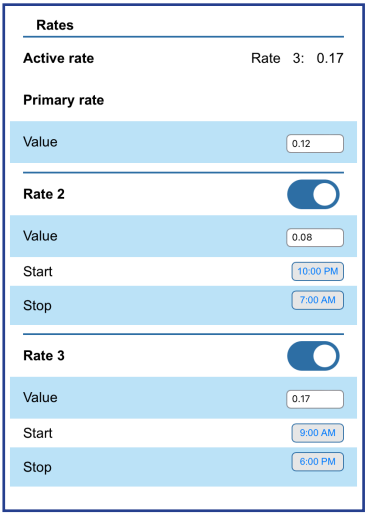
Cost Limit
The charging session stops when the cost limit is reached.

To set Cost Limit:

1. Enable the **Cost Limit** button.
2. Set the Cost Limit using the scroll bar. Cost is calculated by multiplying kWh x the active rate. The cost will count down once the cost limit is set.

Rates

Set the Rates per kWh to calculate the cost of the charging session. Rates are set to $ per kWh.



Primary Rate:
Type the primary rate into the text box.
Example: 0.12 = 12¢/kWh. This rate will apply unless Rate 2 or Rate 3 are activated.

Rate 2:

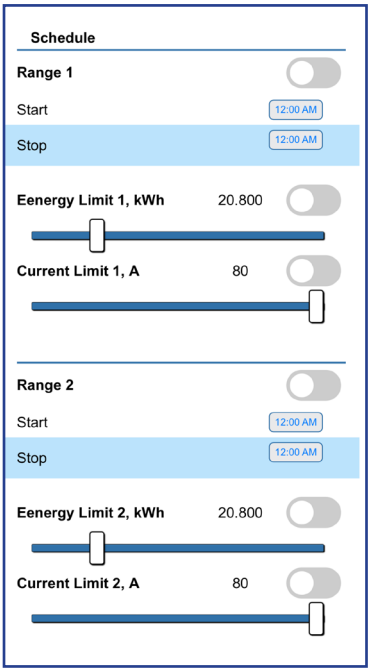
1. Enable the **Rate 2** button.
2. Set the Start and Stop time for Rate 2. Rate 2 will apply during these times.

Rate 3:

1. Enable the **Rate 3** button.
2. Set the Start and Stop time for Rate 3. Rate 3 will apply during these times.

Charger Schedule

Set the charging schedule to charge at certain times.



Range 1:

1. Enable the **Range 1** button.
2. Set the Start and Stop times.

Optional: Enable **Energy Limit 1, kWh.** The power output will be limited to this value during the scheduled times.

Optional: **Enable Current limit 1, A**. The current will be limited to this value during the scheduled times.

Range 2:
Range 2 can be used alongside the Range 1.
For example, use the secondary schedule for preconditioning the vehicle.

1. Enable the **Range 2** button.
2. Set the Start and Stop times.

Optional: Enable **Energy Limit 1, kWh** or **Current limit 1, A** for the secondary schedule.

If Range 1and Range 2 schedules overlap, the schedule that begins first will apply until it reaches the stop time.

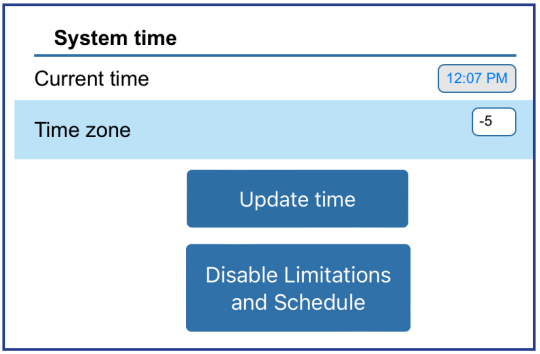
System Time

Set the system Time for all schedules and rates:

1. Enter the time in the **Current Time** field.
2. Enter the **Time Zone**. Follow the chart below to enter the correct Time Zone:

Time Zone	UTC - Standard Time	UTC - Day Light Savings Time
Eastern	-5	-4
Central	-6	-5
Mountain	-7	-6
Pacific	-8	-7

3. Select the **Update Time** button. Refresh the page to apply all settings.

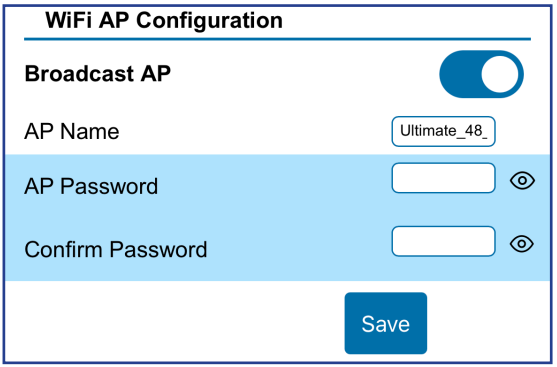


Disable Limitations and Schedule

1. Select the **Disable Limitations and Schedule** button to reset all schedules and limitations.
2. Refresh the page to apply all settings.

SETUP

WIFI AP Configuration



Broadcast AP
The Broadcast AP toggle makes the charger's Wi-Fi network Visible or Hidden.

When Enabled the charger will broadcast its Wi-Fi network.

When Disabled the charger will hide its Wi-Fi network.

- The charger's WI-Fi network will be hidden for 10 minutes after the Broadcast AP toggle is deactivated.
- Once hidden the charger's network will not be accessible.
- To show the network again, Reboot the charger from the Grizzl-E Connect App or by power cycling. The charger's Wi-Fi network will be available for 10 minutes after Reboot.

AP Name:
Name of the Charger network. The default is the serial number. Change to any network name.

AP Password:
The password for the charger's Wi-Fi network. The default is no password. Set a password for the Charger network to prevent others from accessing the network. Confirm the password in the Confirm Password text box.

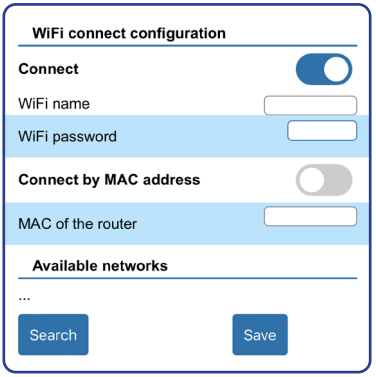
Select the **Save** button to save the AP Name and AP Password.

Note: If you forget the password see Wi-Fi Reset to reset AP Name and Password to default.

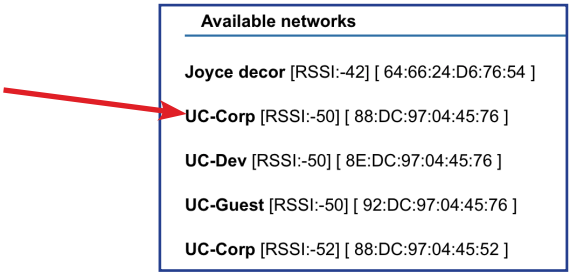
Wi-Fi Connect Configuration

Connect the charger to your local Wi-Fi network.

1. Go to **Wi-Fi connect configuration**.
2. Enable the **Connect** button.
3. Select the **Search** button to show the list of available networks.



4. Select your network from the list of available networks. Click directly on the network name. The network name will populate the Wi-Fi Name field. Ensure network is 2.4 GHz and has a signal strength greater than -67 RSSI (optimal range -40 to -60 RSSI).

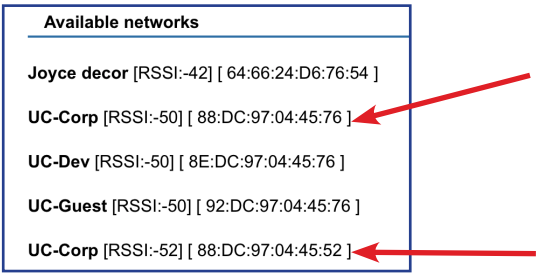


5. Enter the Wi-Fi password.
6. Select the **Save** button.
7. Select the **Confirm** button to apply new settings.

Optional: Connect by MAC Address

Connect to by MAC Address if your local Wi-Fi network has multiple access points and you want to connect to the closest access point.

1. Enable the **Connect by MAC Address** button**.**
2. Select the **Search** button from the Available Networks section.
3. Select your network from the list of Available networks. Click directly on the network name to populate the Wi-Fi name field.
4. Select the MAC Address from the closest available access point. Multiple MAC Addresses will display if the network has more than one access point. Click directly on the MAC Address to populate the Mac of router field.

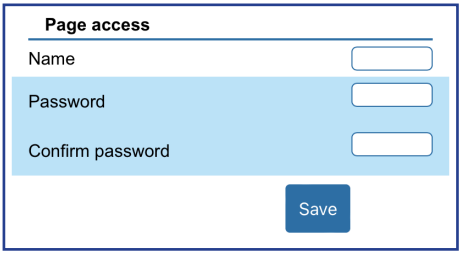


5. Enter the **Wi-Fi** Password.
6. Select the **Save** button.
7. Select the **Confirm** button to apply new settings.

Page Access

The Page Access section allows you to set a Username and Password for the web page to prevent unauthorized use.

1. Enter a Username into the **Name** field.
2. Enter a password for your page. Confirm the password in the confirm password field.
3. Select the **Save** button.
4. Refresh the web page. You will be prompted to enter the Username and Password.



Note: If you forget the password see Wi-Fi Reset to reset AP Name and Password to default.

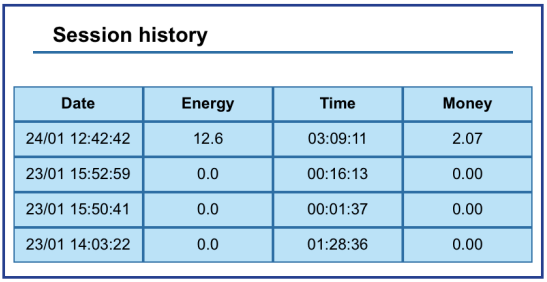
ADVANCED

Statistics

Session History displays statistics from the 4 most recent charging sessions.

Session History will display the following fields:

- Date
- Energy (kWh)
- Time
- Cost



Data from previous charging sessions beyond the 4 most recent is not saved.

Adaptive Mode

Adaptive Mode automatically adjusts the current to the charger if there is an unexpected drop in voltage threshold from your electric provider. It is recommended only to use Adaptive Mode if you live in an area with unstable power and frequent drops in voltage.

Contact technical support before setting it if you need clarification on whether you require Adaptive Mode.

1. Enable the **Adaptive Mode** button.
2. Set the under-voltage threshold from 180-220. Current will decrease when the voltage drops below the threshold.

Other

Timer Type
There are two different Timer Types:

- noPWM
- VW

The Timer Type is the algorithm for a delayed charge (for example, a scheduled charge). The type of algorithm used depends on the vehicle.

If a scheduled charge does not work as expected, try using a different Timer Type for better results. Contact technical support if you need clarification on whether you require Timer Type.

Minimum Voltage, V
Minimum voltage is the lowest voltage at which a charging session will proceed. The charging session will not start or will be interrupted if the measured voltage is below the set minimum.

It is recommended to keep the default minimum voltage unless you live in an area with unstable power and lower voltages.

Factory Reset
Resets all settings on the charger.

CHARGER WI-FI FEATURES

AUTOMATIC HIDDEN WI-FI

For increased security, the Charger's Wi-Fi network [Serial Number] will display for 15 minutes after the charger is powered on. After 15 minutes, the network will be hidden. Once hidden, the network will no longer be accessible by devices.

To restore the charger's Wi-Fi network, power cycle the Charging Station by unplugging and plugging the charger or by switching the upstream circuit breaker Off and On.

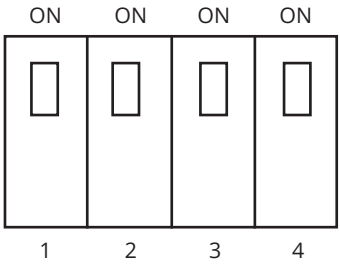
WI-FI RESET

Use the Wi-Fi Connection Reset to clear the following Wi-Fi credentials from the charger:

- The WIFI AP Configuration **AP Name** and **AP Password** will reset to the default.
- The Wi-Fi Connect Configuration **Name** and **Password** will be cleared.
- The Page Access **Name** and **Password** will be cleared.

To perform a Wi-Fi Connection Reset:

1. Turn off the power to the Charging Station by unplugging or switching the upstream circuit breaker to the "OFF" position.
2. Remove the front cover by removing the 4 screws at each corner of the charging station. Use a 5/32" (M4) hex key to remove the screws.
3. Place the front cover aside. Locate the DIP switch on the charging station circuit board. The DIP switch is a 4-position switch on the top circuit board,
4. Move DIP Switch #1 to the **ON** position. This applies to all amperage settings.



5. Restore power to the charging station by switching the upstream circuit breaker to the "ON" position.
6. Wait 1-2 minutes with the charger powered on.
7. Turn off the power to the Charging Station by unplugging or switching the upstream circuit breaker to the "OFF" position.
8. Return DIP Switches to the original position.
9. Reassemble the front cover.
10. Turn on the power to the Charging Station by switching the upstream circuit breaker to the "ON" position.

WARRANTY

Grizzl-E Mini 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 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. The warranty for the cable does not include normal tear and wear. This warranty does not cover plugs exposed to snow or water for an extended time. 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 or the warranty will be void.

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 shall make the final decision, in fairness to all concerned, as to the legitimacy of any such claim on this warranty.

View the full terms and conditions: https://grizzl-e.com/returns/

SAVE THESE INSTRUCTIONS

The most up to date User Manual is available online:
https://grizzl-e.com/user-manuals/

Visit our Technical Support page:
https://autochargers.zendesk.com/hc/en-ca

View the full terms and conditions:
https://grizzl-e.com/returns/

Phone: +1-833-971-8118

E-mail: rr@unitedchargers.com

Website: https://grizzl-e.com/

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