EverCharge

EverConnect (E800-1045) Installation Manual



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Safety

Important Safety Instructions

This document contains important instructions and warnings that must be followed when installing and maintaining the EverCharge EverConnect.

Warnings

⚠ **Warning**: Read all instructions before starting installation.
⚠ **Warning**: This Device must be installed by a trained and licensed electrician.
⚠ **Warning**: High voltage.
⚠ **Warning**: Turn off input power at the circuit breaker before installing or cleaning this device.
⚠ **Warning**: Stop using and do not use the device if it is defective, appears cracked, frayed, broken, or otherwise damaged, or fails to operate.
⚠ **Warning**: Use this device only within the specified operating parameters.
⚠ **Warning**: Do not attempt to disassemble, repair, tamper with, or modify this device. Contact EverCharge for any repairs or modifications.
⚠ **Warning**: Do not touch the devices end terminals with fingers or sharp metallic objects, such as wire, tools, or needles.
⚠ **Warning**: Do not insert any foreign objects into any part of the device.
⚠ **Warning**: When transporting the device, handle with care. Do not subject it to strong force or impact or pull, twist, tangle, drag, or step on the device, to prevent damage to it or any of its components.
⚠ **Warning**: Do not forcefully fold or apply pressure to any part of the device or damage it with sharp objects.

Cautions

⚠ Caution: Do not operate EverConnect in temperatures outside its operating range of -22°F to 122°F (-30°C to +50°C).

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Specifications

Description	Specifications
Voltage and Wiring	120 or 277 VAC: L1, N 208 or 240 VAC: L1, L2/N
Current	0.15A
Frequency	50/60 Hz
Unit Dimensions	8.5 in x 8.5 in x 3 in
Weight	2.5 lbs.
Operating Temperature	-22°F to 122°F (-30°C to +50°C)
Storage Temperature	-40°F to 185°F (-40°C to +85°C)
Enclosure Rating	Type 4
Agency Approvals	Intertek 5011807
Ventilation	Not Required
Environment	Indoor or Outdoor

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EverCharge System Overview

Power Management

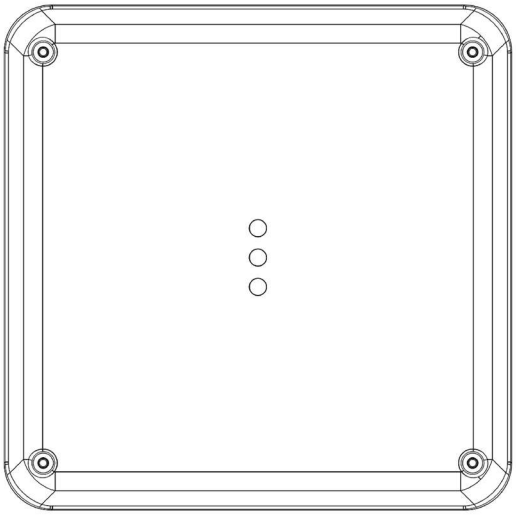
The EverCharge system is a listed automatic load management system that complies with:

- UL 916 Energy Management Equipment
- NEC 2017 Article 625 Electric Vehicle Charging System

Wireless Communication

EverConnect serves as a secure gateway to GLANCE, EverCharge's Charging Station Management System (CSMS),for all EverCharge devices and outside networks requiring access. For uplink communication to GLANCE, EverConnect supports both cellular connection and leveraging existing on-site internet infrastructure.

What Comes in the Box



Item	Description (Quantity)
1	EverConnect (1)

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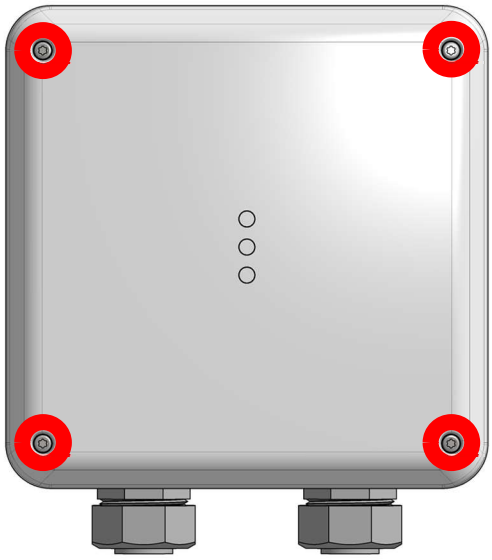
Installation

Tools And Materials Needed

- Pencil or Marker
- Wire Stripper
- Voltmeter or digital multimeter (to measure AC voltage at the installation site)
- T20 Torx Screwdriver
- 4x screws appropriate for wall material mounting
- 1" trade size conduit and fittings appropriate for the installation site
- 1-2 Ethernet Cables

Installation Instructions: Mount EverConnect

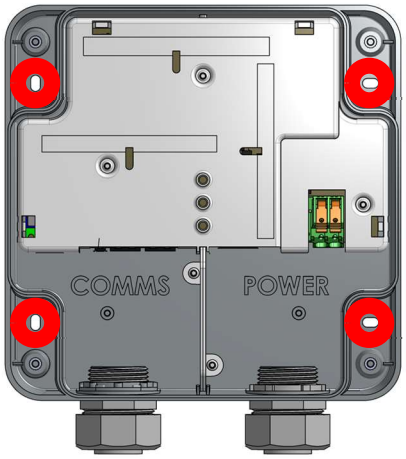
1. Determine a suitable mounting location to install the EverConnect. The EverConnect can be oriented in any direction.
2. Remove the four screws, using a T20 Torx screwdriver, from the front cover to expose the mounting holes.



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3. Mount the EverConnect such using appropriate fasteners for the location, using the four (4) holes in the back of the EverConnect enclosure.

Mounting Surface	Anchoring Method
Drywall	When possible align to stud and use #10 x 1-¾" wood screw in two hole locations, in combination with ¼" wall anchors in remaining holes. If no stud available, use ¼" wall anchors, rated for at least 85 lbs, in all four locations
Plywood	#10 x 1-¾" wood screws in all four hole locations
Concrete	¼" x 1-¾" Concrete Screws in all four hole locations

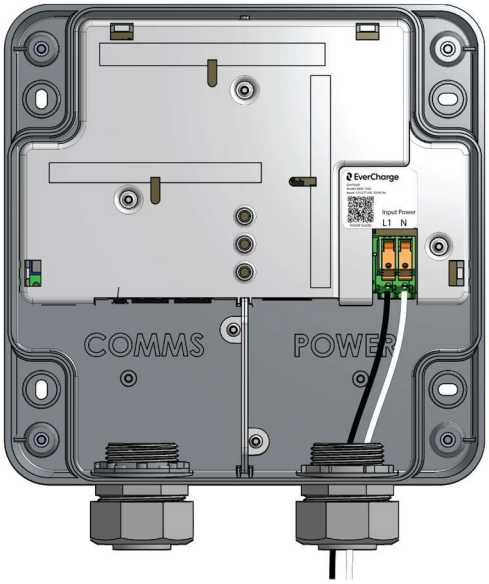


4. Install waterproof 1" trade size conduit fittings on each opening of the EverConnect.

Connect The Wiring

1. Connect the input AC lines, L1 and L2/N, to the terminal block as indicated by the label on the unit, to the EverConnect using 14ga wire. The EverConnect must be connected to an always-on circuit (120 or 277 VAC: L1, N) or (208 or 240 VAC: L1, L2/N) and can tap off an EVSE circuit.

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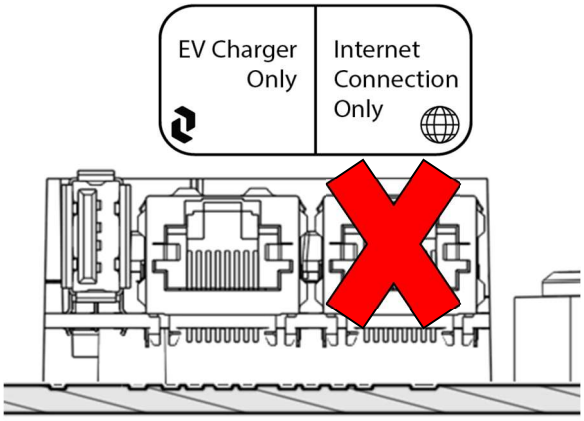


Note: Consult with your local electrician or refer to your local code for proper wire sizing appropriate for the currents in the unit.

Note: It is the installer's responsibility to identify whether additional grounding is required to ensure that local regulations are met. Grounding must be installed at the power source and not at the cable entry to the unit.

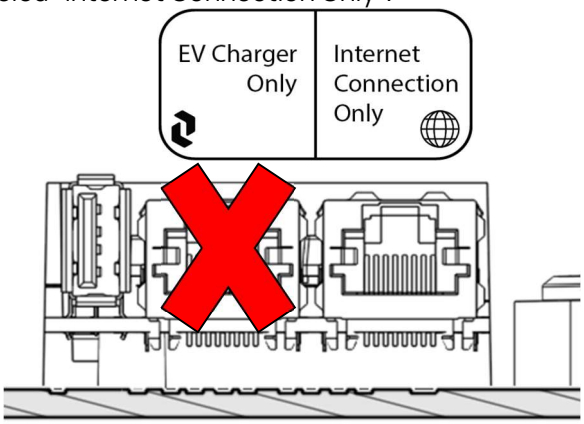
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2. Connect an ethernet cable to the port on the left labeled “EV Charger Only”, and then connect the other end to the device requiring connection[†‡] to EverCharge CSMS. Shielded cable is recommended.



[†]Refer to the individual products installation manual for ethernet location.
[‡] If connecting a single EverConnect to multiple devices, connect the EverConnects ethernet cable to a standard network switch with sufficient ports to connect to all devices.

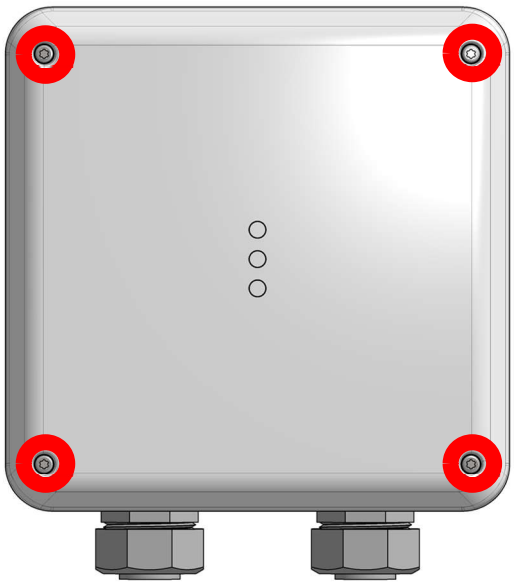
3. (**Recommended)** When required, or available, an ethernet connection to the site's internet/router can be connected to the right port labeled “Internet Connection Only”.



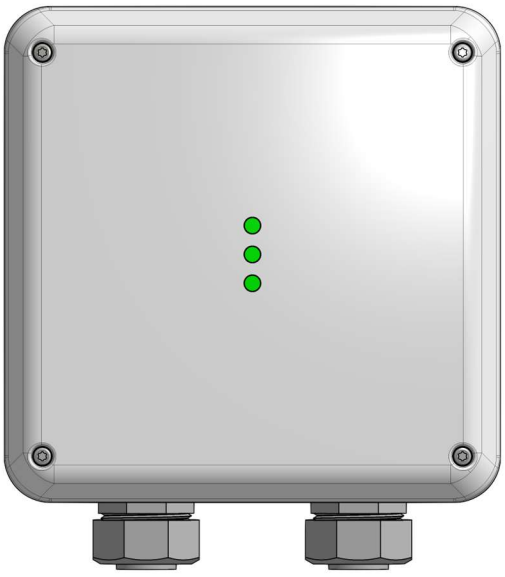
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Complete Install and Power Up

1. Close the lid on the EverConnect, and tighten the four (4) M4 screws to 10 in-lbs using a T20 torx drive.

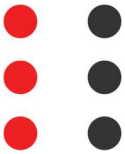


2. Close any unused openings with power and signal conduit plugs.
   Note: There should not be any visible openings to the inside of the unit, and the unit should be completely sealed from the environment.
3. Turn on the power to the device.
4. Verify installation is successful by ensuring all 3 LED's on the face of the unit are green.



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Appendix A: Indicator LEDs and Troubleshooting

EverConnect Indicator Lights	Status	Troubleshooting Instructions
 Three Green	Idle/OK	N/A
 One Green	Idle/OK WAN Primary	N/A
 One Yellow	Cell Primary	N/A
 Flashing Yellow	Network Issue	Relocate device to an area with cellular reception
 Flashing Red	System Error	Contact Support
 All Off	No Power	Ensure device has 110-277VAC, measured Line-Ground, at the terminal block

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Appendix B: Warranty Information

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

THE LIMITED WARRANTY CAN ALSO BE FOUND IN THE DOCUMENTATION WE PROVIDE WITH THE PRODUCT. WE WARRANT THAT DURING THE WARRANTY PERIOD, THE PRODUCT WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP.

WE LIMIT THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

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WHO MAY USE THIS WARRANTY?

EverCharge, Inc. ("we") extends this limited warranty only to the consumer who originally purchased the product ("you"). It does not extend to any subsequent owner or other transferee of the product.

WHAT DOES THIS WARRANTY COVER?

This limited warranty covers defects in materials and workmanship of the EverCharge pedestal (the "product") for the Warranty Period as defined below.

WHAT DOES THIS WARRANTY NOT COVER?

This limited warranty does not cover any damage due to: (a) transportation; (b) storage; (c) improper use; (d) failure to follow the product instructions or to perform any preventive maintenance; (e) modifications; (f) unauthorized repair; (g) normal wear and tear; or (h) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

WHAT IS THE PERIOD OF COVERAGE?

This limited warranty starts on the date of your purchase and lasts for two (2) years (the "Warranty Period") unless extended upon mutual written agreement between the parties. The Warranty Period is not extended if we repair or replace the product. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

WHAT ARE YOUR REMEDIES UNDER THIS WARRANTY?

With respect to any defective product during the Warranty Period, we will, in our sole discretion, either: (a) repair or replace such product (or the defective part) free of charge or (b) refund the purchase price of such

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product. We will also pay for shipping and handling fees to return the repaired or replacement product to you if we elect to repair or replace the defective product.

HOW DO YOU OBTAIN WARRANTY SERVICE?

To obtain warranty service, you must call 1 (888) 342-7383 or email our Customer Service Department at support@evercharge.com during the Warranty Period to obtain a Defective Merchandise Authorization ("DMA") number. No warranty service will be provided without a DMA number.

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About This Manual

Product Specifications

All specifications and descriptions contained in this document are verified to be accurate at the time of printing.

Communications Regulations

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

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