

EVOCHARGE®

# Level 2 Electric Vehicle Charging Solutions

for Residential and Commercial Applications



# A **Leader** in Electric Vehicle Charging Stations Solutions

EvoCharge, founded in 2009, represents one of North America's original vehicle electrification providers and pioneer of home and commercial charging solutions.

As an industry leader in Electric Vehicle Supply Equipment (EVSE) and cable management solutions, EvoCharge provides the most reliable, safe, and cost-effective charging stations and the industry leading EvoReel cable management system for single family, multi-family, workplace, and other commercial spaces.

EvoCharge is a brand of Phillips and Temro Industries, a trusted partner to major global OEM's and aftermarket provider of engineered systems for automotive, trucking and off-road vehicles for over 100 years.



**True Open Charge Point Protocol (OCPP) allows for software agnostic charging stations**



**Responsive customer service and technical support**



**Industry leading cable management solutions**



**Products have multiple safety ratings, including UL/cUL, NEMA, and ETL**

# Charging Station Models

Features	EVSE	iEVSE Edge		iEVSE®		iEVSE Plus		Max 80
Max Power Output	32A	32A	40A	32A	40A	32A	40A	80A
Non-networked	✓							
WiFi		✓	✓	✓	✓	✓	✓	✓
Mobile App Capability*		✓ <sup>†</sup>	✓ <sup>†</sup>	✓	✓	✓	✓	✓
Remote Monitoring*		✓ <sup>†</sup>	✓ <sup>†</sup>	✓	✓	✓	✓	✓
Access Control*				✓	✓	✓	✓	✓
Local Load Management				✓	✓	✓	✓	✓
Ethernet Connection					✓		✓	✓
RFID Technology						✓	✓	✓
LTE Cellular Connectivity						✓	✓	✓

\* With network service provider subscription

† With EvoCharge mobile app

Model	Cable Length	Power Connection
EVSE 32	18 or 25 ft	NEMA 6-50*
iEVSE 32	18 or 25 ft	NEMA 6-50*
iEVSE Home 32	18 or 25 ft	NEMA 6-50*
iEVSE Plus 32	25 ft	Hardwired
iEVSE 40	25 ft	NEMA 6-50*
iEVSE Home 40	25 ft	NEMA 6-50*
iEVSE Plus 40	25 ft	Hardwired
Max 80	15 ft	Hardwired

\* For hardwired input circuit connection, input plug can simply be removed by a certified electrician during installation.



Dual port 6-inch concealed pedestal

# Accessories

## CABLE MANAGEMENT

Keep your charging cables off the ground and reduce wear and tear with one of our cable management upgrades.

### EvoReel

- 24A maximum power output
- Connect to EvoCharge stations or other EV chargers

### Cable Retractor

- Works with all Level 1 and Level 2 charging cables

Cable Management	Interconnect Length	Cable Length
EvoReel	3 ft	22 or 30 ft
EvoReel	20 ft	22 or 30 ft
Cable Retractor	N/A	18 or 25 ft



EVOREEL



CABLE RETRACTOR

### Cable Management Kit

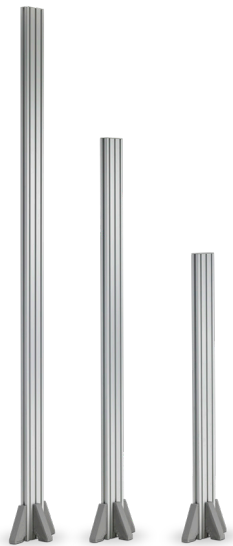
- Use the channel clips to run the charging cable up the wall and across the ceiling of your garage
- Compatible with all EvoCharge charging cables and many other level 2 charging cables up to 48A.



## PEDESTALS

Create a convenient and safe charging area with pedestal mounting. Our EV charger pedestals can be installed in garages, parking lots, along curbs, and more.

Pedestal	Heights	Widths
Channel Pedestal	4, 6 or 8 ft	4.7 x 1.5 in
4-inch Concealed Pedestal	4 ft	4 x 4 in
6-inch Concealed Pedestal	4 ft	6 x 6 in



### CHANNEL PEDESTAL

*Wiring on the outside*



### CONCEALED PEDESTAL

*Wiring on the inside*



*Dual port with EvoReels  
on channel pedestal*

## Non-Networked Charging

EvoCharge's standard level 2 EVSE charger offers non-networked power for all electric vehicles (EV) and Plug-in Hybrid Electric Vehicles (PHEV) in North America. With a simple interface and no activation required, the EVSE can be plugged into a 240v outlet or can be hardwired by a professional electrician.

*Collect usage data,  
monitor station uptime,  
save money by scheduling  
charging and more with a  
smart charging station.*

## Smart EV Charging

Take your charging to the next level with the convenience and control of the **EvoCharge App** and web portal. The EvoCharge iEVSE Home smart charger allows you to easily setup and manage your charging using your WiFi network.

A Network Service Provider (NSP) subscription can maximize control and management of commercial charging stations. EvoCharge partners with several NSPs so you can choose the provider that is best for you.

Connection via WiFi is available on both the iEVSE and iEVSE Plus. If a strong WiFi signal is not available in the charging area, the iEVSE Plus can be connected to Verizon 4G LTE.

The iEVSE Plus is also equipped with RFID technology to control user access.

[portal.evocharge.com](http://portal.evocharge.com)

Scan the QR code below to download the EvoCharge app for iEVSE Home





*With three levels of connectivity and two amperage ratings to choose from, you can find the charger that's right for your installation.*

## 32A and 40A Options

All Level 2 chargers use 208-240V circuits, but the charger's amperage will affect the charging speed. EvoCharge offers both 32A and 40A EV chargers. The National Electrical Code (NEC) requires an electrical circuit to be rated for 20% more amperage than a charger's output. See the circuit requirements below.

Some points to consider when choosing a charging station:

- The vehicle's acceptance rate
- Existing electrical infrastructure capabilities
- Driver's average daily travel range

Required Circuit	Charger Amperage	Estimated Miles Per Hour of Charging*
40A	32A	25 mi (40 km)
50A	40A	30 mi (48 km)

*\*Dependant on the vehicle's acceptance rate*



# Open Charge Point Protocol

The biggest benefit of true Open Charge Point Protocol (OCPP) is that you are in control of selecting the network service provider (NSP) and managing the connection to the charging stations. This is different than a proprietary network plan where the station and the service are only functional together.

- We work with several non-proprietary network service providers
- Connect to local utility through network gateway
- Together the hardware and software provide reliable uptime



# Load Management

Load management is important when you have multiple chargers on one branch circuit. Load management is available with a paid network provider subscription, or you can manage electrical loads between up to 20 charging stations with EvoCharge's Local Load Management (LLM)

- Connect up to 20 charging stations on one branch circuit
- Charging stations can be connected via Wi-Fi or cellular connection
- There are two ways load sharing can be set up: equally distributed or first in, first charged

Read more on OCPP and load management at [evocharge.com/resources](https://evocharge.com/resources).



# Tax Rebates and Incentives

EvoCharge charging stations may be eligible for utility discounts and rebates, state or federal tax credits. Visit [evocharge.com/tax-rebates](https://evocharge.com/tax-rebates).

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