

# The Series 7 EV Charging Station

The Smart EV Charging Station  
Managers Can Rely On



## Simplified Station Management You'll Be Amped About

The Series 7 smart charging station enables station owners to build the charging infrastructure needed to support an EV charging network, and the benefits that come with it.

With its compact form factor, ease of installation, commercial-grade aluminum body, and ENERGY STAR certification, the Series 7 charging station is the perfect solution for your business or fleet.

## Features

The SemaConnect Cloud provides fleet operators with unparalleled insight, access, and control over EV Charging station deployments.

- **4G LTE Wireless Technology** – The Series 7 communicates with the cloud via built-in 4G LTE signal
- **Rugged Aluminum Enclosure** – Prevents damage from nature and natural elements
- **Interactive LED Lights** – Quickly locate stations and understand their status with a bright LED light
- **Four-Line backlit LCD Screen** – Easily read pertinent station information
- **Built-In Electricity Metering** – Manage electricity cost with an intuitive, smart network connection
- **Two Universal J1772™ Plugs** – Charge all electric or plug-in hybrid electric vehicles, including medium- and heavy-duty trucks and buses
- **Convenient Access Panel** – Panel makes installation and connectivity a breeze
- **API Integrations** – Create a 360-degree view of your operations and provide dependable charging experiences
- **Optional Fleet Management Software** – Module delivers powerful capabilities to help you configure, track, and manage your fleet

# Series 7 EV Charging Station: Technical Specifications

At SemaConnect, we provide a comprehensive turnkey solution for all of our customers to ensure that your electric vehicle charging station program is implemented and runs smoothly.

We'll guide you through the site selection for your new stations, help you select the appropriate station and mounting options, provide input on station installation, and even connect you with a local installer.



## Electrical

<b>AC Power Output, Maximum (Per Port)</b>	Level II: 11.52 kW (240VAC@48A) or 9.984 kW (208VAC@48A)
<b>AC Power Input (Per Port)</b>	Level II: 48A; Line 1, Line 2, and GND (no neutral)
<b>Vehicle to Charger Connection (Per Port)</b>	SAE J1772 EV Connector
<b>Energy Metering Accuracy</b>	+/- 1%
<b>Standby Power (Per Port)</b>	3.46 W Typical
<b>Service Panel Breaker (Per Port)</b>	Dual-pole common trip 60A breaker, dedicated circuit
<b>ENERGY STAR</b>	Compliant
<b>California Type Evaluation Program (CTEP) Compliance</b>	Certified

## Safety

<b>Safety, Ground Fault Circuit Interrupt</b>	20mA CCID with auto retry (every 15 seconds)
<b>Automatic Plug-Out Detection</b>	Power terminated per SAE J1772 spec: SMS or email notification
<b>Surge Protection</b>	6kV @3,000A
<b>Safety &amp; EMI Compliance</b>	UL 2231-1, 2231-2, UL 2594, NEC Article 625, FCC Part 15 Class A

## Network

<b>Data Communication</b>	Cellular 4G LTE
<b>Communication Protocol</b>	OCPP Compliant
<b>Firmware Management</b>	Over-the-Air (OTA) update enabled

## User Interaction

<b>LED Array</b>	High visibility, multi-color visual status indication
<b>Display</b>	LCD Screen - 4 line, 20 characters per line
<b>RFID Reader</b>	ISO14443 Type A & B, MiFare, Felica, NFC, ISO15693

## Environmental

<b>Enclosure</b>	Aluminum, NEMA 3R outdoor rated
<b>Operating Humidity</b>	Up to 95% non-condensing
<b>Operating Temperature</b>	-30 degree C to +50 degree C ambient

## Mechanical

<b>Dimensions</b>	20.5" H x 7.4" W x 7.4" D
<b>Approximate Weights</b>	Device: 21 lbs., pedestal mount: 12.5 lbs., wall mount bracket: 11.5 lbs.
<b>Installation</b>	Indoor / Outdoor
<b>Mounting Option</b>	Integrated wall and pedestal mount
<b>Cable Length</b>	18 ft. standard, 25 ft. optional