

# The Series 7 Plus

## High Powered EV Charging Station

The Smart Charging Station Fleet  
Managers Can Rely On



## Simplified Fleet Management You'll Be Amped About

The Series 7 Plus is our most powerful Level II charger, 19.2kW (80A), with all the features needed by modern electric fleets.

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

## Features

The SemaConnect Cloud provides fleet operators across all types of fleets, with unparalleled insight, access, and control over EV charging station deployments. Our Fleet Management module delivers powerful capabilities to help you configure, track, and manage your fleet.

- **4G LTE Wireless Technology** – The Series 7 Plus 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 Integration** – Create a 360-degree view of your operations and provide dependable charging experiences

# Series 7 Plus EV Charging Station: Technical Specifications

**At SemaConnect, we're committed to making the sophisticated simple and the revolutionary reachable.**

SemaConnect premium charging stations make the electric vehicle revolution accessible to everyone with turnkey operations and intuitive management you'll be amped about.

From installation onward, we make EV charging easy for commercial, fleet, and residential. Work with one team for hardware, software, cloud solutions, and partnership to power everything that comes next.



## Electrical

<b>AC Power Output, Maximum (Per Port)</b>	Level II: 19.2 kW (240VAC@80A) or 16.64 kW (208VAC@80A)
<b>AC Power Input (Per Port)</b>	Level II: 80A; 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 100A 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