

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

AC Power Output, Maximum (Per Port)	Level II: 19.2 kW (240VAC@80A) or 16.64 kW (208VAC@80A)
AC Power Input (Per Port)	Level II: 80A; Line 1, Line 2, and GND (no neutral)
Vehicle to Charger Connection (Per Port)	SAE J1772 EV Connector
Energy Metering Accuracy	+/- 1%
Standby Power (Per Port)	3.46 W Typical
Service Panel Breaker (Per Port)	Dual-pole common trip 100A breaker, dedicated circuit
ENERGY STAR	Compliant
California Type Evaluation Program (CTEP) Compliance	Certified

Safety

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

Network

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

User Interaction

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

Environmental

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

Mechanical

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