



SemaConnect

Series 7 EV Charging Station for Fleets



Reduce fuel costs and ensure your vehicles are charged 100%

The SemaConnect Series 7 is a smart charging station that makes it easy to charge your EV fleets and make sure they are ready to go. Smart charging for your fleets ensures you have all the information you need, including built-in alerts and a smart dashboard to visualize detailed reports on electricity used, carbon offset, fuel savings and more.

SemaConnect's fleet management capability enables fleet managers to:

- Easily configure a custom fleet program by individual vehicle and major vehicle type or both.
- Track departure, return times, and energy delivered to each vehicle, and monitor charging fees for any of your public chargers.
- Schedule both start and stop of charging sessions to take advantage of off-peak and partial peak electricity rates.
- Receive alerts to notify exceptions in return times, energy delivered and departure times to maximize the daily success of the entire fleet.
- Generate a robust set of reports and analytics.

Features

- Sleek, elegant design
- Compact form factor
- Commercial-grade aluminum body
- "At-a-Glance" LED status
- Rugged outdoor-rated enclosure
- Full Warranty Replacement Policy
- Easy to install and service
- "No Assembly Required"

Smart Features

- Fleet Vehicle Management
- Fleet Access Control
- Fleet Manager Portal
- Late Plug-In/Plug-out Alerts
- Schedule Charge Start Time
- Session Data and Analytics
- State of Health Monitoring
- Load Management Ready

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Power Specs

AC Power Output, maximum (per port)	Level II: 7.2kW (240VAC@30A)
AC Power Input (per port)	Level II: 30A; Line 1, Line 2 and Earth (no neutral)
Ports Per Charging Station	Two
Vehicle to Charger Connection (per port)	SAE J1772 EV Connector, 18ft Cable
Energy Metering Accuracy	1% at 15 min interval (standard), 0.5% optional
Standby Power	6.5W typical
Service Panel Breaker (per port)	Dual-pole 40A breaker, dedicated circuit

Safety Specs

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
General Safety Compliance	UL 2231-1, 2231-2, UL2594 and UL2594, NEC Article 625

Network Specs

Data Communication Cellular	4G LTE
Network Communication Protocol	TCP/IP
Network Security	HTTPS; 128-bit AES Encryption

Communication Device Specs

LED Array	High visibility, multi-color visual status indication
LCD Screen	4 line, 16 characters per line

Environmental Specs

Outdoor Rated	NEMA 3R per NEMA250-1997
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30 degC to +50 degC ambient

Other Specs

Surge Protection	6kV@3,000A
EMI Compliance	FCC Part 15 Class A
Dimensions	18in high x 7in wide x 7in deep
Approximate Shipping Weights	Head unit and cable: 28 lbs, Pedestal Mount: 11 lbs, Wall mount bracket: 10 lbs