

The Series 8 Plus EV Charging Station

Designed for Public Use – No Membership Required



The Most Flexible and Convenient EV Charging Station Available

The Series 8 Plus smart charging station was designed for commercial applications where drivers are likely to pay with a credit card or a digital wallet. This means no membership is required for drivers to charge their electric vehicle making it perfect for all commercial settings including shopping malls, hospitals, municipal parking, and any retail location.

Its compact form factor, ease of installation, and smart network capabilities make it the clear choice for any commercial application.

Features

Pay With



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.

- **4G LTE Wireless Technology** – The Series 8 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
- **Flexible Access Control & Pricing** – Whether open to the public or completely private, station owners can easily manage driver groups
- **Two Universal J1772™ Plugs** – Charge all electric or plug-in hybrid electric vehicles (Tesla vehicles require Tesla-provided adapter)
- **Convenient Access Panel** – Panel makes installation and connectivity a breeze
- **Built-In Electricity Metering** – Manage electricity cost with an intuitive, smart network connection

Series 8 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)	6.5 W Typical
Service Panel Breaker (Per Port)	Dual-pole common trip 100A breaker, dedicated circuit
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	4.3" Color LCD, 480 x 272
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	w/cc reader 24" H x 7.4" W x 9" D; w/o cc reader 24" H x 7.4" W x 7.5" D
Approximate Weights	Device: w/cc reader 21.7 lbs.; w/o cc reader 21 lbs., pedestal mount: 12.5 lbs., wall mount bracket: 11.5 lbs.
Installation	Indoor / Outdoor
Mounting Option	Integrated wall and pedestal mount
ADA Compliance	Yes
Cable Length	18 ft. standard, 25 ft. optional