

# Series 8 Plus EV Charging Station: Technical Specifications

- 4G LTE Wireless Technology
- Rugged Aluminum Enclosure
- Interactive LED Lights
- Flexible Access Control & Pricing
- Two Universal J1772™ Plugs
- Convenient Access Panel
- Built-In Electricity Metering



## Configuration

<b>Number of Ports</b>	Two
<b>AC Current, Maximum (Per Port)</b>	80A
<b>Credit Card Reader</b>	Optional - Magnetic, EMV and Contactless
<b>Camera</b>	Optional feature for future use

## 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>Input Connector</b>	Hardwired
<b>Vehicle to Charger Connection (Per Port)</b>	SAE J1772 EV Connector
<b>Energy Metering Accuracy</b>	+/- 1%
<b>Standby Power</b>	6.5 W Typical
<b>Service Panel Breaker (Per Port)</b>	Dual-pole common trip 100A breaker, dedicated circuit
<b>California Type Evaluation Program (CTEP) Compliance</b>	California Code of Regulations (CCR) National Institute Standards and Technology (NIST) Handbook 44 Section 3.40

## 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 Compliance</b>	UL 2231-1, 2231-2, UL 2594, and NEC Article 625
<b>EMI Compliance</b>	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>	4.3" Color LCD, 480 x 272
<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>	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
<b>Approximate Weights</b>	Device: w/ cc reader 21.7 lbs.; w/o cc reader 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>ADA Compliance</b>	Yes
<b>Cable Length</b>	18 ft. standard, 25 ft. optional
<b>Cable Organizer</b>	Optional