

# Series 8 EV Charging Station: Technical Specifications

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



## Configuration

|                                       |  |
|---------------------------------------|--|
| <b>Number of Ports</b>                | Two                                      |
| <b>AC Current, Maximum (Per Port)</b> | 48A                                      |
| <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: 11.52 kW (240VAC@48A) or 9.984 kW (208VAC@48A)   |
| <b>AC Power Input (Per Port)</b>                            | Level II: 48A; 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 (Per Port)</b>                             | 6.5 W Typical  |
| <b>Service Panel Breaker (Per Port)</b>                     | Dual-pole common trip 60A 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  |