

Series 7 Plus EV Charging Station: Technical Specifications

- 4G LTE Wireless Technology
- Rugged Aluminum Enclosure
- Interactive LED Lights
- Four-Line backlit LCD Screen
- Built-In Electricity Metering
- Two Universal J1772™ Plugs
- Convenient Access Panel
- API Integration



Configuration

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|--------------------------------|---------------------------------|
| Number of Ports | Two |
| AC Current, Maximum (Per Port) | 80A |
| Camera | Optional feature for future use |

Electrical

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| AC Power Output, Maximum (Per Port) | Level II: 19.2 kW (240VAC@80A) or 16.64 kW (208VAC@80A) Level III: 80A; Line 1, Line 2, and GND (no neutral) |
| AC Power Input (Per Port) | Hardwired |
| Input Connector | SAE J1772 EV Connector |
| Vehicle to Charger Connection (Per Port) | +/- 1% |
| Energy Metering Accuracy | 3.46 W Typical |
| Standby Power (Per Port) | Dual-pole common trip 100A breaker, dedicated circuit |
| Service Panel Breaker (Per Port) | Compliant |
| ENERGY STAR | California Code of Regulations (CCR) National |
| California Type Evaluation Program (CTEP) Compliance | Institute Standards and Technology (NIST) Handbook 44 Section 3.40 |

Safety

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| 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 Compliance | UL 2231-1, 2231-2, UL 2594, and NEC Article 625 |
| EMI Compliance | FCC Part 15 Class A |

Network

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

User Interaction

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|-------------|---|
| 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

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

Mechanical

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|---------------------|---|
| 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 |
| Cable Organizer | Optional |