

# emporia classic



## Best Level 2 EV Charger

Proudly named the Best Level 2 EV Charger by Motortrend, InsideEVs, State of Charge, Torque News, Car Talk and GoodHousekeeping.



## Smart Charging

Customize charging settings, see real-time charging rate, charge during optimal off-peak hours, use excess solar power, and customize your charging schedule remotely through the free Emporia mobile app.



## Outdoor rated

The Type 4 enclosure is watertight, making it safe for indoor or outdoor installation.



## Fast & Powerful

Swift and efficient charging for all-electric vehicle models. Maximum power of up to 48 amps with a hardwired setup or 40 amps with a NEMA 14-50 outlet.

### Hardware

⚡ Level 2 /48 amp

🔌 Hardwire and NEMA 14-50 configurations

☀️ Outdoor rated

★ Energy Star

📄 UL Certified

🔌 25-foot charging cable

📶 2.4 GHz WIFI

🔌 NACS or J-1772 Connectors

🔌 Integrated Cable Management

### Smart Charging

🕒 Custom charging scheduling

📄 Monthly Charging Report

☀️ Solar only charging

🔄 Real-time charging rate

🕒 Time of use scheduling

## Safety Features



The Emporia Classic Smart EV Charger is manufactured to meet the safety criteria defined by these international standards: NEC 625- Electric Vehicle Charging System Equipment; SAE J1772- Electric Vehicle Conductive Charger Coupler Standard; SAE J3400- North American Charging Systems (NACS) for Electric Vehicles; UL 817 - Cord Sets and Power-Supply Cords; UL 991- Safety Tests for Safety-Related Controls Employing Solid Devices; UL 2251- Standard for Plugs, Receptacles, and Couplers for Electric Vehicles; UL 2594 Standard for Electric Vehicle Supply Equipment

## General Specifications

Ground Fault Interrupt	15mA to 20mA trip sensitivity to protect against electric shock.
Input Voltage	208/240 VAC 50/60 HZ
Power Charge	11.5KW (240V/48A) / 9.6kW (240V/40A) / 10kW (208V/48A) / 8.3kW (208V / 40A)
Required Breaker	Dedicated 50A+ dual pole for 40A Dedicated 60A+ dual pole for 48A
Connector	Connector 24' cable SAE J1772 or NACS connector with built in UHF sensor that opens the Tesla charging port
Enclosure	Watertight NEMA Type 4 Indoor/Outdoor
Temp Range	-22°F to 122°F (-30°C to 50°C)
Dimensions	320 x 230 x 86 mm
Certifications	Safety: UL 2594 (E528156) EMC: FCC, ISED Efficiency: Energy Star
Power Wiring	NEMA 14-50 (up to 40A) with 24" cable, Hardwired (up to 48A)
Internal Temperature	Charging station internal temperature is continuously monitored and shut off if the board temperature exceeds 98° C.
Missing Ground Detection	Safety ground is constantly monitored during operation. Charging is shut off if the ground is missing.
Pilot Signal	EV connector / cable is de-energized when exposed to a strain that could result in the exposure of live parts.
Power Interlock	EV connector / cable is de-energized when uncoupled from EV.
Self Check	Sequence performed during start up, every three hours, and before charging to ensure unit is working properly and safely upon power-up.
Stuck Relay Detection	Check to ensure relays are functioning properly and providing proper power gating.
Surge Detection	Constantly monitors for power surges during operation. Charging is shut off if a surge is detected.
Vehicle Ventilation Required	Checks for ventilation requests from EV, which are not supported, and stops delivering power to the vehicle.