

emporia pro



Level 2 Charging, No Panel Upgrade

Maximize EV charging speeds without costly electrical panel upgrades. PowerSmart technology automatically adjusts charge rate based on total home energy use and your panel's service rating. The software uses data from the Vue Home Energy Monitor, which sits inside your electrical panel.



Advanced Home Energy Management

The Emporia Pro empowers EV owners to save money, enhance safety, and reduce their environmental impact with intelligent home energy management tools. Charge your vehicle with excess solar power, manage peak demand thresholds, and automate energy savings.



Speed and Power

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.



Reliable and Safe

The Emporia Pro is UL certified and NEMA 4-rated for reliable all-weather use, and safe for indoor or outdoor installation.

Safety Features



The **Emporia Pro 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 Charge 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, and **UL 2594** - Standard for Electric Vehicle Supply Equipment. The Emporia Pro employs the following safety features as defined by these standards:

General Specifications - Level 2 EV Charger Emporia Pro

Model Number	EMC2-A (White) / EMC2-B (Black)
Input Voltage	208/240VAC 50/ 60Hz
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
GFCI	For safety reasons, the Emporia Charger uses an internal GFCI breaker. It is recommended that the charger be installed on a non-GFCI panel breaker to avoid nuisance tripping. If local electrical code requires a GFCI panel breaker for a NEMA 14-50 plug circuit, Emporia recommends purchase of the hardwire version of this charger.
Connector	Connector 25' cable SAE J1772 or NACS connector with built in UHF sensor that opens the Tesla charging port
Power Wiring	NEMA 14-50 (up to 40A) with 28" cable, Hardwired (up to 48A) with 3' long conduit
Enclosure	Watertight Type 4 indoor/outdoor
Temp Range	-22°F to 122°F (-30°C to 50°C)
Dimensions	291.3 x 204.5 x 79 mm
Certifications	Safety: UL 2594 (E528156) EMC: FCC, ISED Efficiency: Energy Star

General Specifications - Vue Energy Monitor

Supported system configurations:	Single phase, 2-wire systems (Up to 240V) Single-split phase, 3-wire systems (Up to 240V/480V LN/LL) 3-phase, 4-wire Wye systems with earthed (TN or TT) neutral (no-Delta) (Up to 240V/415V LN/LL) *Additional equipment required
Measurement Accuracy	+/-2%
Maximum voltage sense range	264VAC L-N per channel
Voltage Measurement Channels	3

Current Measurement Channels	200A: 3 50A: 16
Wi-Fi	2.4 GHz IEEE 802.11b/g/n
Ethernet	10/100Base-T, IEEE 802.3
Operating conditions	-40° to 122° F (-40° to 50° C) 0 to 80% RH Up to 3,000 meters
Certifications	Safety: UL 61010, UL 2808 (E535044) EMC: FCC, ISED, CE, PSE, UKCA
Measurement Category	200A CT Ports: Measurement Category IV 50A CT Ports: Measurement Category III
CT Wire Length	1m, easily shortened as necessary
CT Inside Diameter	200A CT: 22mm 50A CT: 10mm