emporia
PowerSmart

Load Management

Maximize EV charging speeds without costly electrical panel upgrades - saving customers thousands of dollars. PowerSmart dynamically regulates EV charging based on total home energy use and meets the NEC requirements as a system of UL components (works with Emporia EVSE only.)

How PowerSmart Works

The PowerSmart feature can be added to any Emporia Level 2 EV Charger with a software update and the installation of an Emporia Vue Energy Monitor into the electrical panel. PowerSmart regulates power to your Emporia EV Charger so it uses the maximum, safe power based on your home's electrical usage during a charging session. It monitors your energy usage real-time (3k times per second) data and allocates only the available panel capacity to your EV charger to never exceed the maximum panel

Energy Monitoring

The Vue not only enables PowerSmart but also provides real-time energy usage data for the home. With the purchase of PowerSmart, the Vue comes with two 200 amp current sensors (CT clamps) that attach to the main power lines to measure the flow of electricity thousands of times per second. Customers can add 8 or 16 50-amp CTs to monitor individual circuits.

Easy Install

Electricians agree that the Emporia Vue 3 is easy to install in all standard electrical panels, thanks to its compact design. For busbar configurations, flexible sensors are available to order, ensuring a quick and seamless fit. It supports both 2-phase and 3-phase systems. Professional installation is recommended.

Emporia Vue 3

Safety Features

The **Emporia Vue 3** 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 - 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
Power usage	<3 watts
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