MANUFACTURER COMPLIANCE STATEMENT: Emporia ChargeBoost™

Please Print This Page and Affix Inside Electrical Panel Upon Install

Automatic Load Management System (ALMS) & Fail-Safe Operation

System Description This installation utilizes an Emporia EVSE integrated with a Utility-Owned Smart Meter (Itron Riva) to dynamically manage electrical load. It allows for the installation of high-amperage charging circuits on service-limited panels without requiring a main service upgrade.

Code Compliance This system operates as an **Automatic Load Management System (ALMS)** in accordance with **NEC 625.42(B)**. It ensures the EVSE load does not exceed the capacity of the branch circuit or service panel.

Sequence of Operation (Fail-Safe Design)

1. **Default State (Safe Mode):** Upon installation, the EVSE is firmware-restricted to a maximum draw of **8 Amps**. This is the device's native state without external verification.
2. **Boosted State:** The EVSE increases amperage (up to the breaker rating) **ONLY** when it receives a secure, real-time signal from the Utility Smart Meter confirming sufficient capacity exists on the service.
3. **Communication Failure:** In the event of a signal loss, power outage, or system error, the EVSE **immediately reverts to the 8 Amp default limit.**

Installation Note for Inspectors While this circuit may utilize a high-amperage breaker (e.g., 60A), the calculated load on the service should be viewed in the context of this ALMS or the local Utility's interconnection guidelines. The system physically prevents the EVSE from overloading the service by defaulting to 8A if the load cannot be verified.