

System Overview

Synop is an enterprise-grade software platform that integrates vehicle management, charger management, energy management, and payment management to support the electrification of commercial fleets.

System Requirements

Hardware Requirements

- OCPP 1.6J or 2.0.2 compliant charging hardware/ L2 or L3 DCFC
- Electric vehicle with telematics
- Means of charger-vehicle or charger-drive authentication including MAC address and RFID tag

Network Requirements

- 4G LTE or LAN connectivity
- Weather service API
- Utility data API (tariff information, grid events)

Access Requirements

- Modern web browser (Edge, Firefox, Chrome, Safari, etc) and internet access

Compatible with

- ISO 15118
- Plug and Charge
- UL 1741 and 9741 V2G equipment

Capabilities

- Automatic load management - supports specification of maximum equipment loads at the site or charger level; limits aggregate charging demand to specified maximum.
- Configuration of one-time or recurring events to further limit site load in response to time-of-use rates or curtailment periods.
- V2G-capable with supported charging hardware.
- Remote charger management; start, stop reboot.
- Charger diagnostic and fault reporting
- Charging optimization based on observed and forecasted duty cycles, weather, and scheduling
- Alerts and notifications via SMS, email, and webhook
- Role-based access control

Technical Information and Support

- Synop is a member of the Open Charge Alliance.
- Performs the functions required of *NEC 625.42 Rating* for Automatic Load Management (2017 and 2020) and Energy Management System (2023)
- Weekly release cadence with new features and system enhancements.
- Working-hours customer support with case management system

Contact Information

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