

EV Smart Charging for Light Duty Fleets



ZEF Energy designs, manufactures, and deploys industry-leading smart charging solutions for electric vehicles. We provide feature-rich, easy-to-use, and economically-priced hardware and software, allowing our clients to manage their mission-critical electric fueling. With ZEF Energy's best-in-class service, U.S. made hardware, and flexible software, we are a trusted and reliable EV charging partner.

Light Duty Fleet Solutions

ZEF Energy knows that cost saving on fueling and maintenance brought by "going electric" needs to also be low burden for fleet managers and drivers. These burdens are eliminated with ZEF Energy's fleet-focused solutions, charger up-time guarantees, and turn-key services.

Light Duty Fleet Solution Benefits

✓ Lower Upfront and Operating Costs:

- » Utility-grade metering and load control capabilities in every charger eliminate the need for separate utility meters and hardware
- » A reduction of in-field service calls as brought by ZEF Energy's operational software, ZEFNET, which remotely identifies issues and automatically provides resolution paths

✓ Flexible Solutions and Integration:

- » Telematics data integration (e.g. vehicle state of charge) to optimize the economical electricity consumption and while ensuring mission critical operation and convenience
- » Driver-facing smart phone app, RFID and NFC charger authorization, and integration with existing energy management systems available
- » On-charger LEDs indicate availability or a user-defined status to support a variety of driver types and parallel fleet applications
- » White-labeled hardware and software options to best ensure your initiatives are front and center

A Trusted Partner Sample Client List

IOU, Cooperative, & Municipal Utilities

- » Dairyland Power
- » Great River Energy
- » Minnesota Power
- » Ottertail Power
- » Wright Hennepin
- » SMPPA
- » SMUD


Workplace, Fleet, Retail, & Multifamily

- » Aldi
- » EVgo
- » Goodwill Easter Seals
- » Motus One
- » Nissan
- » Outpost Grocery Stores
- » University of Minnesota
- » Metro Transit, Twin Cities

Governmental

- » U.S. DOE
- » NREL
- » State of Minnesota
- » State of North Dakota
- » City of Fort Collins, CO
- » City of South Bend, IN
- » City of Duluth, MN
- » City of St. Cloud, MN
- » City of Hudson, WI

Contact Us

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Light-Duty Fleet Facing Services

Planning and Start Up:

- ✓ Fleet assessment and electrification plan review
- ✓ Charger selection and sizing based on: fleet vehicle mix, driver routes, use cases, parking availability, and existing infrastructure
- ✓ Fleet manager and driver education
- ✓ Support utility engagement regarding infrastructure and rate options

Smart Charging Optimization and Data Analysis:

- ✓ Data-driven charging optimization per route profiles and seasonal conditions
- ✓ Access to charging session data and kWh consumption data at the vehicle, group, or organization-wide level via the ZEFNET
- ✓ Charger and vehicle monitoring with proactive issue notifications
- ✓ Real-time visibility into telematics metrics via vehicle API or OBDII port
- ✓ Charging experience customized by driver type via app or charger display

Unmatched Guarantees and Customer Service

ZEF Energy brings some unique, best-in-class offerings that help your fleet deliver on mission critical services. Wide range of high-powered Level 2 charging units for growing fleet needs

- ✓ Same day replacement for Level 2 chargers
- ✓ 72-hour uptime guarantee for Level 3 chargers
- ✓ 5-year manufacturer's warranty on parts and factory labor, 5-years of cellular service, 5-year software portal access for fleet manager

Wide Ranging Hardware Options

PRODUCT	ZEFNET Wall or pedestal (Single and Multiport)	ZEFNET PRO Pedestal (All Dualhead)	DCFC (Single or Dualhead) <small>*Overhead access available</small>
CERTIFICATION	ETL, cETL, UL	ETL, cETL, UL	ETL, cETL, UL
SERVICE	208V-240V, 40-100 amps, single-phase	208-240V, 40-80 amps, single-phase	380-920V, three-phase
CHARGER OUTPUT POWER	32-80 amps 7.7/11.5/15.4/19.2 kW (AC) per port	32-64 amps 7.7/11.5/15.4 kW (AC) per port	25 kW to 450 kW DC
TYPICAL APPLICATION	Commercial or Residential	Public or Commercial	Commercial, Public, or Transit Bus

Why Choose ZEF Energy

A partner like ZEF is hard to find. We are a curated team of technical experts from the load management, software development, and program deployment sectors. We think deeply about customer challenges and we approach each client as a partner. You will not find our unique combination of value anywhere else.

