FF 814-EV Power Controller

FUELFORCE EV

FuelForce® 814-EV Key Features

- ✔ Manage Electricity as a *Standard Fleet Fuel*
- ✔ Report EV kWh Integrated with Other Fuel Usage
- ✔ Authorize EV Charging by Driver and/or Vehicle
- ✔ Avoid Peak Demand Chargers with Time-of-Day Lockout
- ✔ Optimize Charger Usage Through Reservations
- ✔ Controller-based Cell Modem Connects up to 8 Chargers

(Cell fees included in the service)
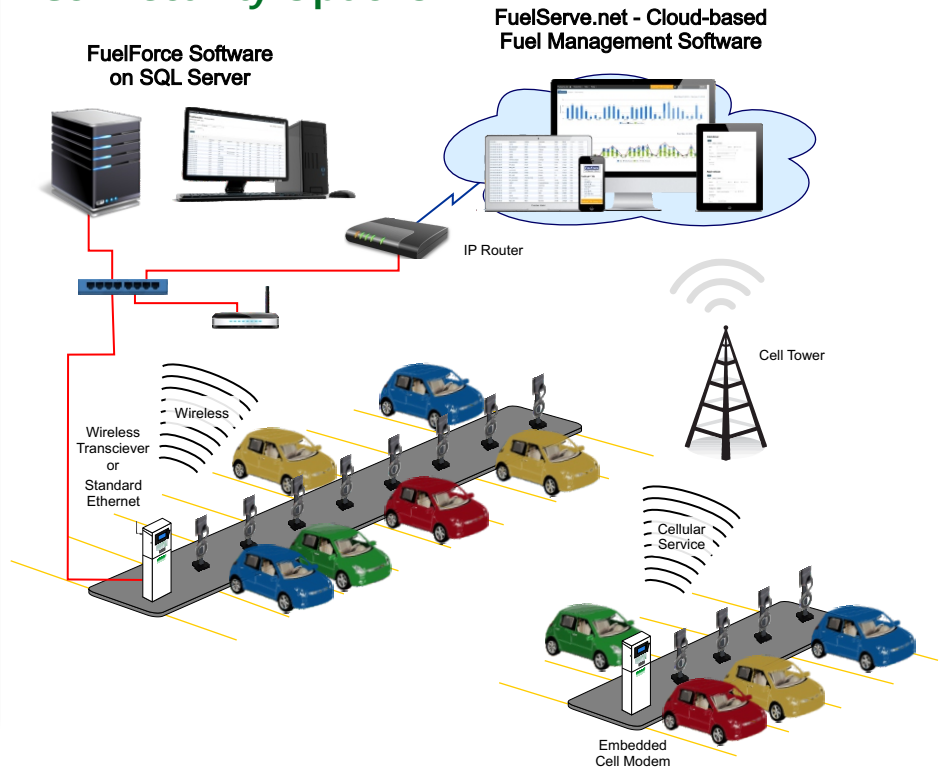
FuelForce® 814-EV Benefits

The FuelForce® 814-EV controller provides the management of electricity as a "standard fuel". The result is that fleet managers now have at their fingertips the ability to manage the fueling authorization and administration of all fleet vehicle types, all from a single interface. Identifying total energy costs for fleets, including those with EVs, can be done with **FuelServe.net**, the industry's most powerful and flexible cloud-based administration and reporting tool. Integrates with other fuel management systems as well.

The FuelForce® 814-EV Advanced Power Controller allows drivers to utilize a keypad, key fob, or proximity card to authorize and control the charging of electric vehicles. As that power is dispensed, each transaction is logged and the system collects accurate usage data. All this data is then available alongside the usage data of all other fleet fuel types, from gas to diesel to CNG and others.

Why FuelForce® Energy Management?

Identify
Manually or automatically identify drivers and vehicles, reducing fuel theft and reporting misallocation.

Authorize
Authorize only valid drivers, valid vehicles, and/or valid odometer readings before dispensing fuel.

Measure
Accurately measure fuel dispensing transactions of all types, logging fuel data with precision.

Report
View standard and customizable reports for fuel usage across multiple sites and departments.

Manage
Maximize charger usage by utilizing charger alerts and reservations over multiple parking spots.

Connectivity Options

FuelForce Software on SQL Server

FuelServe.net - Cloud-based Fuel Management Software

IP Router

Cell Tower

Wireless Transciever or Standard Ethernet

Wireless

Cellular Service

Embedded Cell Modem

Specifications

- Rated up to 40 Amps (for Level 1 and Level 2 EVSE)
- Powerful surge protection included
- Underwriters Laboratories approved
- 110V AC; +5V DC
- Remote diagnostics and system updates
- Solid state data storage
- Large 16 line, 48 character LCD backlit screen
- Full alphanumeric flat faced keypad
- Functional at -20° to 140°F and 95% humidity
- Weather & corrosion resistant housing
- Glare free hood design
- Dimensions: W: 13" * H: 68" * D: 11"

FuelForce® Fuel Management Software

Single Dashboard to Manage All Aspects of Fleet Fueling

The FuelForce® Fuel Management Software platforms allows fleet managers to access fuel and power management tasks of all types from a single dashboard. Available as
a cloud-based solution, or on a hosted-server or a standalone PC application, the FuelForce® software platforms provide flexible and thorough reporting.

Integrated Management of EV Charging and Other Fuels

The FuelForce® management platform polls the 814-EV and other FuelForce® controllers in its network and aggregates all of the charging as well as fueling data. The key here is the *unique ability* to provide the data for EV charging alongside the fueling data for all other types of fuels. Total fuel costs can be calculated and assessed to sites, departments, or even drivers.

EV Charging Data Integrated with Gasoline Fueling

Alerts and Reservations

System Alerts

The 814-EV includes the ability to notify drivers or fleet managers with system alerts. A driver can enter their mobile phone number at time of authorization to receive charging status messages. The 814-EV will alert the EV driver when the process starts, ends, or is interrupted prior to completion.

12-Sep-17 12:19:33- FuelForceEV charging started: Your EV is drawing 24 Amps from charging station 2.

Charger Reservation

When all the charging stations in the lot are in use, the unique FuelForce-EV™ reservation feature can alert the driver when a specific charging station is available. The driver can return to initiate their own EV charging session. Fleet managers can additionally allow the EV driver to reserve more than one charging station at a time, taking advantage of parking lot topology. The driver receives a text when the next charger nearby is free. Fleet managers can tune the minimum charging and reservation durations to maximize efficiency, minimize EVSE requirements, and elegantly inform and reassure EV drivers.

16-Nov-17 17:31:34- FuelForceEV charging station 1 is now available! Your reservation will expire in 5 minutes.

MSC MULTIFORCE SYSTEMS CORP

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PROUDLY MADE IN THE USA

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FuelForce® Advantages:

Durable and Reliable Hardware

Secure Authorization and Reporting

Wireless Data & Reporting Access