



THE CLEANEST, MOST ECONOMICAL WORK VEHICLES ON THE PLANET

The eREV Powertrain from VIA Motors

Extended Range Electric Vehicle

Gas/Electric Generator

The economical 4.3L V6 EcoTec3 Gen V combustion engine is used only when needed to generate electricity to automatically charge the batteries on the go.

Advanced Li-Ion Batteries

The 23 kWh Li-ion battery pack delivers up to 40-mile, zero-emission battery range.

Power Export

Onboard 120 & 240 volt outlets 14.4 kw at 50 amps

VIA's Motor Controller

The 350 volt architecture provides the power density and economy required for a wide variety of trucks.

Payload and Towing

The VTRUX Extended Cab has a curb weight of 6,500 lbs and a full size bed; delivering a 1,000 lb payload capacity.

VIA's 100 kW Electric Generator
Nowhere to plug in? No problem. VIA's VR150 electric generator delivers enough power to recharge batteries quickly and efficiently while driving.

VIA's 190 kW (415 Nm) Electric Drive Motor
VIA's VR190 delivers up to 415 Nm in an extremely small, light package.

UP TO
415 Nm
Electric Motor

Powered by
VDRIVE™



VIA's eREV powertrain is powerful enough for a variety of light trucks, SUVs and delivery vehicles.



VIA's eREV powertrain was designed to power many popular trucks and vans that share a similar chassis.



VIA's 415 Nm eREV powertrain can be designed to power a wide range of vehicles, up to class 6 trucks.

Driving on electricity

The eREV powertrain by VIA enables larger vehicles, including light trucks and vans, to drive the first 40 miles in all-electric mode with near zero emissions, and a full range of 400 miles on a single fill-up. For most drivers, this means over 100 mpg in typical local daily driving. It's exciting to drive — with more low-end torque. The electric truck performs as well as or better than the comparable gas version.

More efficient use of batteries

With 75% of drivers averaging less than 40 miles a day, most electric vehicles carry extra weight in costly batteries—VIA has optimized its battery pack, carrying only what's needed for most days. VIA's eREV truck generates its own electricity on longer trips using the onboard range extender.

Designed for how we drive

With 40 miles of battery range, most drivers won't burn any gas in a typical day. Driving 50 miles in a day, 40 miles on batteries and 10 miles with the help of the range extender, the typical driver would average about 100 miles per gallon in gas fuel economy. When driving beyond battery range, the VTRUX still gets significantly better fuel economy than the gas model.

75% of Drivers

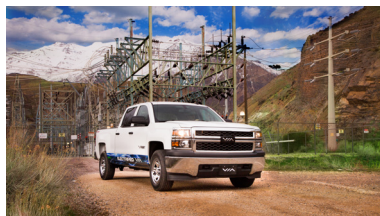
Gas Fuel Economy				
Miles Driven per Day	40	50	60	200+
Gas Fuel Economy	Battery only	100 mpg	60 mpg	25 mpg

The vehicle gets 40 mpg using proposed EPA rating for extended-range electric vehicles by averaging battery range and charge sustaining mpg.

*The best way to improve gas economy...
...is not to burn gas!*

Performance Targets	eREV Truck
Acceleration (0–60 mph)	9.7 seconds
Electric Range	Up to 40 miles
Combined Range	400 miles (15 gal tank)
Charge Sustaining Fuel Economy	24 to 29 mpg
Torque (Traction Motor)	415 Nm
Curb Weight	6,500 lbs
Payload	1,000 lbs
Gross Vehicle Weight	7,500 lbs

Powering America's Green Fleets



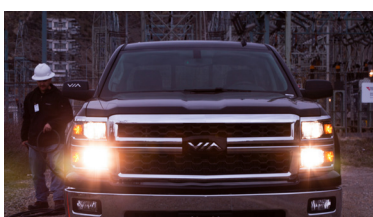
Ideal for fleets—cuts fuel costs by up to 75%



Up to 40 miles in all-electric mode and up to 300 miles using the range extender



The onboard generator provides a work site with 14.4 kW of exportable power



Enough mobile emergency power for you and your neighbors

The fuel economy of a Prius™ with the payload of a pickup.

VIA's eREV powertrain is ideal for America's fleets, cutting fuel costs by up to 75%, while dramatically reducing gas consumption and emissions. By recharging daily, the average driver could expect to refill the gas tank less than 10 times a year rather than once a week. It offers all the advantages of an electric vehicle without range limitations. Working with vehicle manufacturers, VIA is delivering eREV trucks to government and utility fleets.



Plugs In Anywhere

Plug it into a standard outlet or charge in half the time with a 240 volt outlet or charging station. A full charge costs less than \$2, or about about 5 cents a mile. In addition, VTRUX qualifies for a \$7,500 federal tax credit and thousands of dollars in additional incentives in several states.



Unlimited Range

Gas it up and say good-bye to "range anxiety." VIA's new eREV trucks drive up to 40 miles on batteries then continue up to 400 miles, generating their own electricity using a fuel-efficient onboard generator or "range extender."

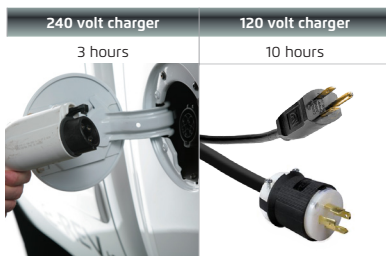


Exportable power

The VTRUX power export module option provides 14.4 kW at 50 amps of onboard mobile power. A utility-grade output module is planned for the future and will be designed to provide 50 kW of mobile emergency power to keep critical facilities online.

Power In

Use a standard charging station, or charge conveniently at home using a standard 120 or 240 volt outlet.

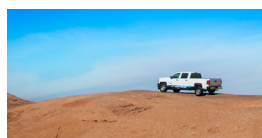


Get a quick charge through a charging station

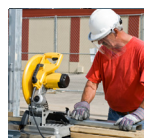
Or charge with a standard 120 or 240 volt outlet

Power out

Power where you need it—at home or the workplace. 120 and 240 volt outlets right on the back of the truck provide easy access for work or emergency. Now you can plug your *house* into your *truck* in an emergency!



Road-trip ready



Work site power



Onboard 120 & 240 volt outlets
14.4 kw @ 50 amp



Enough power to run an arc welder all day



VIA Motors. A Better Way to Go.

viamotors.com

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