

RETROFIT PLUG-IN HYBRID FOR TRUCKS

CHEVROLET COLORADO'S AND SILVERADO'S CURRENT MODELS

System Benefits in Start/Stop Applications:

1. 25-40% mpg gain
2. Reduced emissions \cong fuel savings
3. Reduced maintenance



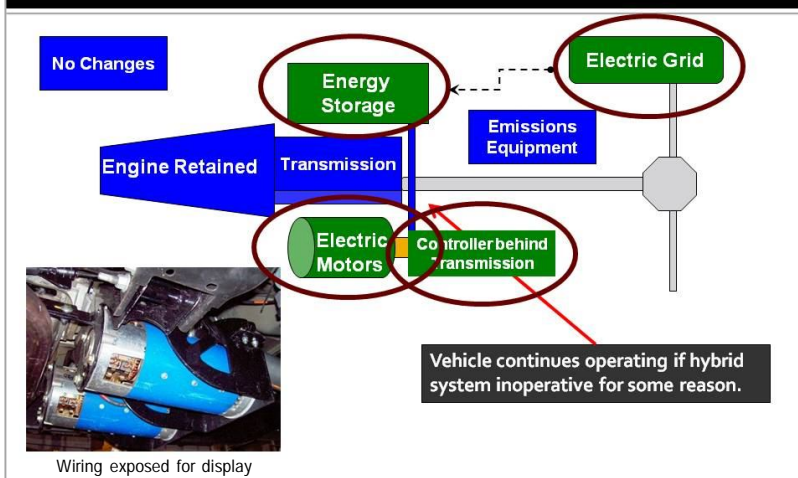
Designed for Trucks in Operation -- System installs on existing trucks

System Removable/Transferable -- System can be removed and installed on comparable newer trucks years later. System an asset separate from the truck.

System Operational Features:

1. Hybrid Assists Engine – Electric motors assist during acceleration
2. Retains OEM Powertrain – EVPS' retrofit does not alter or modify in any way the internal-combustion engine, engine control module, transmission, or emissions equipment on the existing truck
3. Hybrid Range – In start-stop applications, with lead-acid batteries, 100-125 mile range as a hybrid without interim plug-in. Vehicle continues operating using gas engine once batteries depleted.
4. Regenerative Braking Std – recharges batteries during braking
5. Post-Transmission – System mounted at U-joint of drive shaft

How Does Hybrid System Work?



Components

1. Electric Motors – Size geared to GVWR and torque requirements
2. Battery Upgrades – System can be upgraded to newer battery technologies as cost, reliability and/or truck duty-cycle warrants
3. Controllers – Master sends single signal to both electric motors
4. Low Voltage – 72-volt system for safety
5. Air Cooled – No complicated liquid-cooling system
6. Drive Belts – Kevlar belts similar to truck serpentine belt, only simpler. Similar belt on motorcycles – lifespan \cong 100,000 miles.
7. Instrumentation – EVPS system includes separate IP displaying such info as battery SOC, amp draw, fault codes. Panel installed in center “hump” below regular IP.
8. Charger – 120V/240V available



Other Information

1. Continuous Truck Operation – Even if battery pack depleted, truck continues to operate using the internal combustion engine
2. Maintenance – Annual check of system components, batteries
3. Warranty – 3 years from installation date
4. Truck GVWR Range – System works on different size and weight classes of trucks. Current models Chevrolet Colorado and Silverado. Check for timing of additional models.



Management Team – Extensive experience in automotive engineering and product development, marketing, sales and distribution, fleet management – including electric vehicles.



Want more information about:

- Potential product applications?
- Pilot program?
- Management team?

Contact: info@evpowersystems.com

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