

# Kinetic Hybrid

from **energetics**  
— — — — —  
**drive trains**



More MPGs

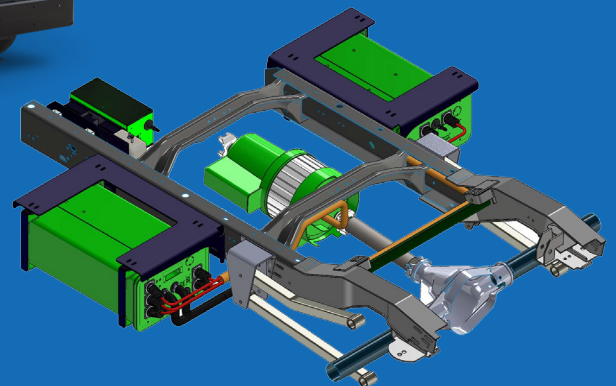


Less Pollution



No Batteries Required

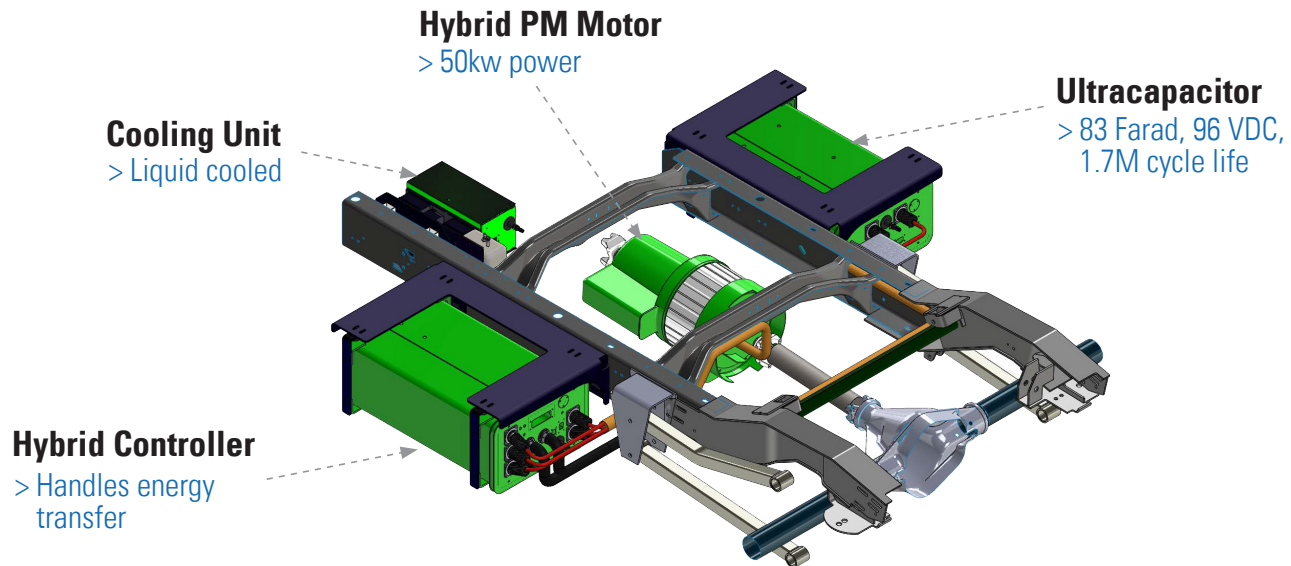
- Increase fuel efficiency up to 30%
- Reduce brake wear and maintenance costs
- Decrease CO2 emissions by 20-25%



Fits on most class 3-7 trucks and buses.

*The tested and proven hybrid kit  
for class 3-7 trucks and buses*

# Kinetic Hybrid



## How It Works



Regenerative braking assists in the slow down of vehicles from 35 MPH to stop. The patented Kinetic Hybrid motor engages on the driveline to take pressure off the vehicle's brakes and steadily build torque in the hybrid motor.



Instead of losing braking energy to heat, the Kinetic Hybrid stores that energy in ultracapacitors. The Maxwell ultracapacitors have been tested to more than 1.7 million cycles, which means they will very likely outlast your vehicle.



Traditional engines are most inefficient at low speeds, from 0 to 30 MPH. The Kinetic Hybrid releases stored energy during vehicle launch for a boost you can feel as well as a measurable reduction in fuel used and emissions produced.

**160+**  
Kinetic Hybrids  
on the road today

**9 million**  
fleet miles driven

**13,128**  
tons of CO<sub>2</sub>  
pollution prevented

## Ready to Go



Greening your fleet is easier than ever with the Kinetic Hybrid. The bolt-on system installs in about a day at the factory on new vehicles or at one of our national service and install network centers.

Current voucher incentive and grant programs may reduce the cost of the system up to 80%. Contact us to learn more about programs for which your fleet qualifies.

## Tech Specs

<b>Suitable Chassis</b>	Fuel neutral – fits most front engine vehicles with wheelbase 158" or longer
<b>Energy Storage</b>	Maxwell ultracapacitors, 83 Farad, 96 VDC, totally enclosed and liquid cooled, 1.7 million cycle estimated life
<b>System Voltage</b>	54 – 96V DC
<b>Hybrid Weight</b>	Class 3-4: 638 lbs. (290 kg) Class 5-7: 795 lbs. (361 kg)
<b>Launch Assist</b>	0-30 MPH
<b>Regen Braking</b>	35 – 0 MPH
<b>Redundancy and Fail-Safe</b>	Vehicle operation continues normally in case of a hybrid system fault.
<b>Warranty</b>	2 year/36,000 miles

## Learn More & Order

To learn more about the Kinetic Hybrid from energetics drive trains and whether it could be the right fit for your fleet, please contact us.

(844) 309-3630

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**energetics**  
drive trains