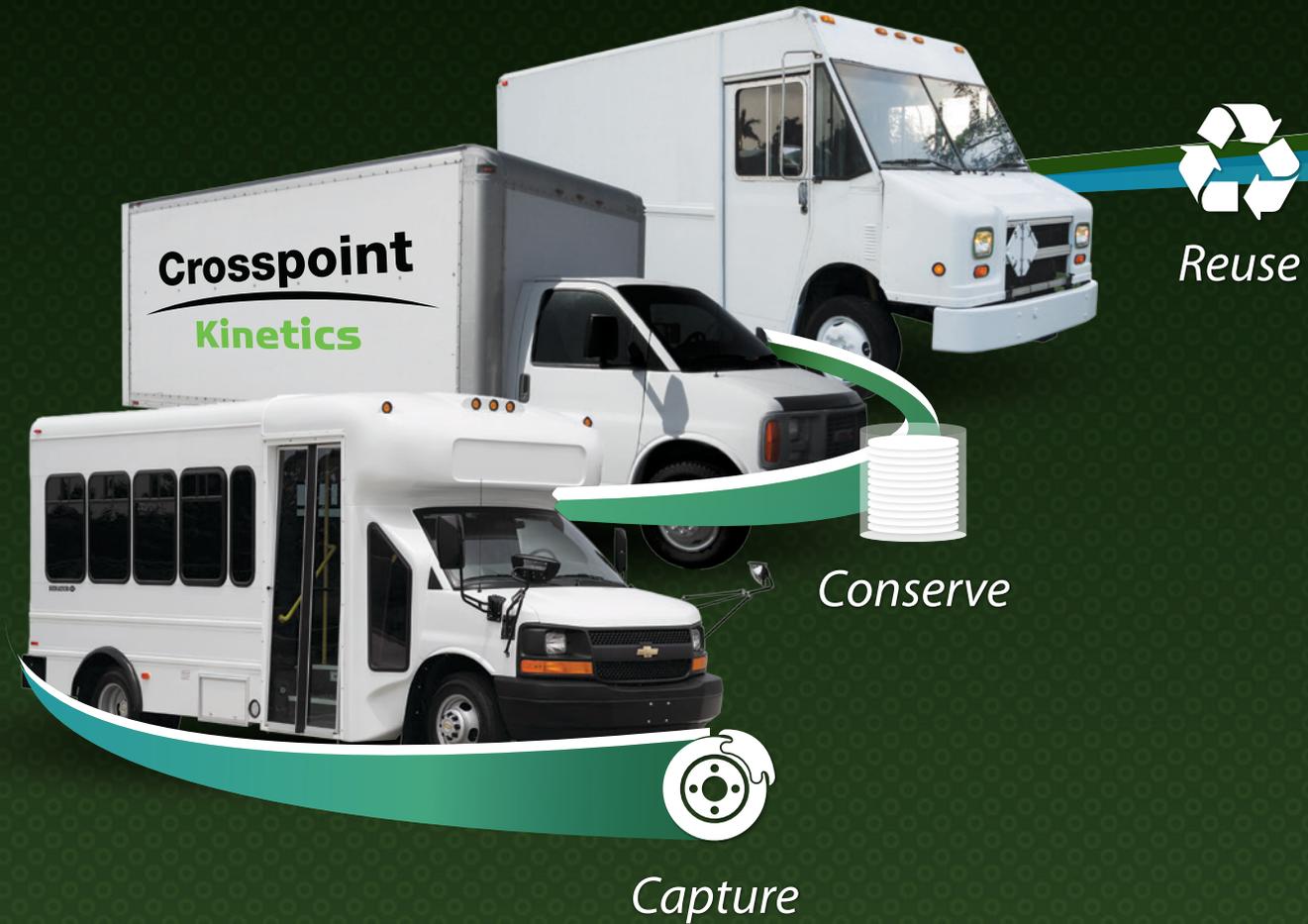


THE KINETICS HYBRID *Ready to Go*



The proven electric hybrid for
class 3-7 buses and light trucks.



More MPGs



Less Pollution



No Batteries
Required

The Kinetics Hybrid is *Ready to Go.*

Momentum is building for green technologies that can make vehicles run more efficiently, cut greenhouse gas emissions, and reduce our dependence on foreign oil.

With that momentum, though, comes the paradox of choice. So many options make it difficult to know which is the right fit and which will stand the test of time – CNG, LNG, propane, flex fuels, bio-diesel, and on and on.

Enter the Kinetics Hybrid. Simple, clean, affordable and proven.

We'll be the first to tell you that it's not for everyone. But, if you have a class 3-7 bus or light truck fleet that makes frequent stops or slow-downs, it may be the fastest and easiest way to go green. Kinetics Hybrids can be installed at the factory on new vehicles or at your facility in about a day. No new infrastructure or expensive facility changes are needed. And, batteries are not required so you'll never need to replace one.

The next generation Kinetics Hybrid has been fully tested by FTA/Altoona, CALSTART, Cummins and, most importantly, by our customers. They've traveled more six million road-miles in all climates and just about every corner of North America.

Impacts are impressive. Your fleet can go up to 30% further on a tank of gas and up to 8 times longer on one set of brakes. When they do, they'll go cleaner with a reduction in greenhouse gases of 25-30%.

When your fleet is ready to go green, the Kinetics Hybrid is ready to get you there.



Why Green Your Fleet with a Kinetics Hybrid?

Positive Local Impact

A cleaner environment is good for your employees, community, and future generations.

Reduces Expenses

Lower your fuel and maintenance costs. No shop modifications or infrastructure needed.

Grants and Vouchers

Tap into available funding to offset capital investment and make your ROI fast.

BENEFITS-AT-A-GLANCE

More Miles Per Gallon

Go further with up to 30% increases in fuel efficiency.

No Batteries or New Infrastructure

Avoid expensive battery replacements and save thousands on facility changes.

Harmful Emissions Reduced

You and the environment can breath easier with an up to 30% reduction in noxious emissions.

Maintenance Costs Lowered

Brakes last up to 8x longer, keeping buses out of the shop and on the road more.

Bolt-on Ready

Quick installation gets fleets green faster and transferability to future buses increases ROI.

Tested and Approved

Validated through CALSTART, Cummins, FTA/Altoona, and millions of field miles driven.

Made in the USA

Assembled in Indiana and qualifies for grants requiring Buy America certification.

Rigorous Support

Dedicated field engineers and nationwide network of service centers ensures up-time.

Conserves, Captures,
and Reuses Energy

Works with Class 3-7
Trucks, Buses, and
Delivery Vans

Cross-Platform
Capability (Gas,
Diesel, CNG, LPG)

FTA Approved/Meets
FMVSS

Buy America
Certified

Transferable
Between Vehicles

Up to 30% More
Miles Per Gallon

Up to 8x Longer
Brake Life

HOW IT WORKS

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

2  Instead of losing braking energy to heat, the Kinetics 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.

3  Traditional engines are most inefficient at low speeds, from 0 to 30 MPH. The Kinetics 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.

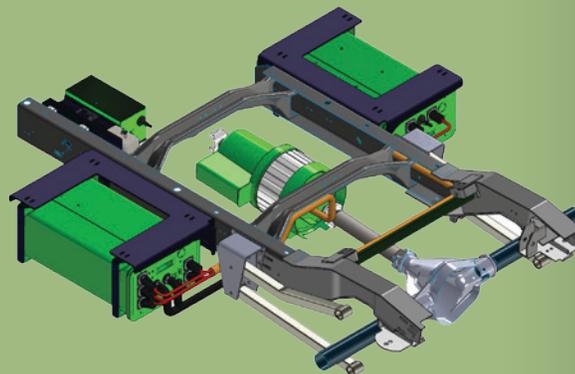
BETTER BY DESIGN

The Kinetics Hybrid is the next generation of "light" parallel electric hybrid power systems.

Vehicles have become more complex, which prevents any technology that would integrate heavily into the electronics system or transmission and would potentially void a warranty or cause a vehicle to be unusable.

Instead, Kinetics Hybrid's ultracapacitors and controllers bolt-on to the vehicle's frame rails and the motor attaches to the driveline. No changes are made to the vehicle's electronics or transmission.

Virtually no regular maintenance is required to keep the hybrid systems up and running. And, if the hybrid did ever go down, it disengages so the vehicle can still operate.



TECHNICAL SPECIFICATIONS

Model	Series 3000, Parallel Hybrid Electric – Drive shaft mounted
Suitable Chassis	Fuel neutral – fits most front engine Gas, Diesel, CNG, Propane, etc. Typical vehicle wheelbase 158” or longer
Energy Storage	Maxwell ultra capacitor modules, 73 Farad, 96 VDC, totally enclosed and liquid cooled, 1.7 million cycle estimated life – NO BATTERIES.
System Voltage Range	54 – 96V DC – Lower voltage = increased safety
Logic and Accessory Power	Hybrid system uses vehicle 12 VDC
Hybrid System Weight	Class 3-4: Added curb weight due to hybrid = 638 lbs. (290 kg) Class 5-7: Added curb weight due to hybrid = 795 lbs. (361 kg)
Cooling System	Dedicated hybrid cooling system using standard automotive coolant
Electric Launch Assist Range	0-30 MPH
Regenerative Braking Range	35 – 0 MPH
Operation	Hybrid operation is automatic and seamless to the driver.
Electrical Safety	Ground fault monitor continuously monitors for electrical leakage to vehicle frame. If detected, system is automatically isolated.
Collision Safety	Inertia switch automatically isolates high voltage in the event of a vehicle collision.
Redundant and Fail-Safe System	Vehicle operation continues normally in case of a hybrid system fault.
Warranty	2 year/36,000 miles

Ready to Launch?

We're here to help you go green – the easy way.

The Kinetics Hybrid is available through select OEMs and bus dealers or directly from Crosspoint Kinetics.

Crosspoint
Kinetics

1-855-435-4301

sales@crosspointkinetics.com

www.crosspointkinetics.com

Crosspoint Kinetics, a subsidiary of Cummins Crosspoint, LLC, develops and delivers solutions that conserve, capture and reuse energy for the benefit of customers and their communities. The company's flagship product, the Kinetics Hybrid, is the fastest way to "green" class 3-7 buses and light trucks. Crosspoint Kinetics is headquartered in Indianapolis, Ind. and features a unique team of engineers and program experts who are trained to deliver energy-capturing solutions that can be easily and practically adopted.