



All-electric school buses provide students and operators with a healthier, smoother, and quieter ride by eliminating toxic tail-pipe emissions, vibrations, and noise. School buses are ideal candidates for electrification because they typically are operated on fixed-routes and in return-to-depot patterns.

Motiv Power Systems has been electrifying school buses and serving students since 2013. School bus fleet customers include over 20 school districts across four states.

Features & Benefits

- » Up to 85% operating and maintenance savings
- » Proprietary 5th generation technology
- » Commercially proven battery packs
- » More than 170 vehicles and 1.8 million miles
- » Independent battery control improves reliability, range, and performance
- » Over-the-air software updates
- » Lift gate control and interlock support
- » Multiple body configurations available
- » Proprietary Hill Hold technology ensures vehicle and driver safety
- » Manual parking brake for state and federal compliance
- » Unique redundant high voltage safety systems protects operator and vehicle
- » Proprietary AdaptEV™ and Adaptive Battery Controller (ABC) manage battery temperatures to optimize charging, cold weather performance, and safety
- » Customizable regenerative braking settings for maximum range and operator comfort
- » Unique Electronic Stabilization Control helps prevent roll over or skidding during sudden deceleration

EPIC4 Vehicle Specifications

OEM PLATFORM*	Ford E-450
MAX GVWR	14,500 lbs
BATTERY TECHNOLOGY	Lithium-ion
BATTERY CAPACITY	127 kWh
RANGE AT MAX GVWR	105 miles
MAX SPEED	65 mph
OVERALL LENGTH	24'
PEAK MOTOR POWER RATING	295 kW / 394 hp
PEAK MOTOR TORQUE RATING	1,190 Nm / 870 ft-lbs
GRADEABILITY	17%
REGENERATIVE BRAKING	Standard
PASSENGER COUNT	Up to 24 passengers, with multiple floorplans and ADA available
LEVEL 2 AC CHARGING	19.2 kW / J1772
50% CHARGE TIME	~2.5 hours
100% CHARGE TIME	~8 hours
LEVEL 3 DC FAST CHARGING (Optional)	60 kW / CCS

*Additional OEM platforms available soon. Ask your Motiv representative.



Additional Options

- » Leasing and financing
- » Charging infrastructure and installation

Built with our Partners



About Motiv Power Systems

Founded in 2009 and headquartered in the San Francisco Bay Area, Motiv Power Systems delivers medium-duty commercial all-electric trucks and buses, along with charging infrastructure and guidance for deploying commercial fleets. Specializing in step vans, shuttle buses, and box trucks, Motiv is an innovative provider of daily-use zero-emission vehicles for moving people and goods with 98% uptime and intense customer-driven focus.

The company's solutions not only offer fleets up to 85% operations and maintenance cost savings but also provide operators and riders a healthier and more comfortable experience without polluting the communities they serve. For more information about the company's products, services, or career opportunities, please visit motivps.com.



For more information

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