



TYPE A SCHOOL BUS



EPIC E-450 CHASSIS SPECIFICATIONS

OEM PLATFORM	Ford E-450
MAX GVWR	14,500 lbs
BATTERY TECHNOLOGY	BMW i3 Lithium-ion
BATTERY CAPACITY	127 kWh
RANGE	105 miles
PEAK MOTOR POWER RATING	190 kW / 255 hp
PEAK MOTOR TORQUE RATING	1,200 Nm / 885 ft-lbs
GRADEABILITY	17%
MAX SPEED	65 mph
REGENERATIVE BRAKING	Standard
LEVEL 2 AC CHARGING	19.2 kW / J1772
50% CHARGE TIME	~2.5 hours
75% CHARGE TIME	~4 hours
100% CHARGE TIME	~8 hours
LEVEL 3 DC FAST CHARGING	60 kW / CCS

FEATURES & BENEFITS

- Up to 85% operating and maintenance savings
- Utilizes industry-proven EV batteries validated through millions of real world miles to ensure long life and inexpensive replacement costs
- Independent battery control improves reliability and performance
- Over-the-air software updates for new features and functionality
- Narrow-body design offers easy vehicle maneuverability and safety
- Industry's largest view-out window reduces blind spots and enhances visibility
- Innovative structural design provides unparalleled safety and features a one-piece tubular roof bow design
- Collins exclusive external storage compartment



Type A School Bus Electrified by Motiv



EPIC E-450

ABOUT MOTIV POWER SYSTEMS

Founded in 2009 and headquartered in the San Francisco Bay Area, Motiv Power Systems is the leading provider of proven software to electrify medium-duty trucks and buses. We are freeing fleets from fossil fuels by providing a seamless pathway to electrification.

Motiv's 5th generation software platform is Ford eQVM-approved, CARB-certified, uses high-volume commercial-scale batteries, and is available for many configurations including step vans, box trucks, work trucks, shuttle buses, school buses, trolleys, and other specialty vehicles.

Motiv has over 100 vehicles on the road, operating at over 99% uptime, and more than one million miles logged among several of the largest fleets in North America. Our EPIC chassis offer fleets up to 85% operation and maintenance cost savings as well as providing operators with a healthier, smoother, and quieter driving experience.



MOTIV POWER SYSTEMS

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SCHEDULE A DEMO

July 31, 2020

MOTIV'S FIRST ELECTRIC TROLLEY DEPLOYED IN THE TOWN OF ESTES PARK, COLORADO

Our first electric trolley is on the road in the beautiful Town of Estes Park in Colorado! We celebrated a ribbon cutting ceremony attended by Mayor Wendy Koenig, Vanessa Solesbee, Parking and Transit Manager, and other Town staff. The electric trolley will provide free zero-emission shuttle service while saving the Town over 1,700 gallons of fuel over one season. Read more about Estes Park's Motiv-powered trolley [here](#).

Estes Park's new trolley is built on our [EPIC F-53](#) chassis with body built by [Hometown Trolley](#), the nation's leading trackless trolley builder.



Photo courtesy of [Estes Park News](#)









Would you like to get behind-the-wheel of a [Motiv-powered vehicle](#)? [Schedule a demo!](#)

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SEND

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Schedule a Demo



Motiv's First Electric Trolley
Deployed in the Town of Estes
Park, Colorado

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