



We are Changing the Way Public Transit Moves



800.300.3751
CompleteCoach.com
ZepsDrive.com

Zero-Emission Propulsion System (ZEPS) is the leading economical source for transit agencies looking to start an electric fleet. ZEPS has been tested for millions of miles of revenue service. It is a proven technology with deployments nationwide. These deployments are proven to perform successfully in all types of weather conditions. The ZEPS bus is a quiet operation, capable of running over 150 miles on a single charge.

The Process

ZEPS is an integrated technology developed exclusively by Complete Coach Works (CCW). CCW takes a simple approach to sustainability by providing an affordable route to eco-friendly transportation. Working with its sister company, Transit Sales International, CCW takes existing low-floor transit buses and remanufactures them into like-new vehicles equipped with ZEPS all-electric drivetrain systems. The remanufacturing process extends the service life of a bus at less than half the cost of a new bus purchase. In addition, the process of bus remanufacturing reduces material waste, resulting in operational savings that benefit the environment.



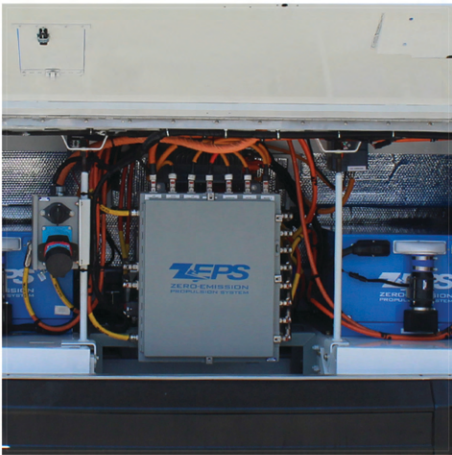
The chassis is stripped down to the frame, once the bus has been qualified as structurally sound.



Removal of all exterior/interior fixtures and components are made.



The diesel engine and related components, including the transmission, are removed.



ZEPS technological components are installed.



New composite flooring, light-weight seating, and LED interior/exterior lighting is installed.



The bus undergoes a final inspection and is then ready to be delivered back to the customer.



ALL ELECTRIC

Specifications

	Description	New Flyer	New Flyer	Gillig
Measurements	Length (FT)	30, 35, 40	60	30, 35, 40
Propulsion	Motor Make	GTAKE	GTAKE	GTAKE
	Motor Model	GTZ510-02026	GTZ510-02026	GTZ510-02026
	Motor Year	Current Year	Current Year	Current Year
	Motor Controller	KTZ54X57GBD (306kW)	KTZ54X57GBD (306kW)	KTZ54X57GBD (306kW)
Total Energy	Rated Power (kWh)	180kW	180kW	180kW
	Long Range Charge (kWh)	403, 504	504, 605	403, 504
	kWh/Mile	2.1-2.4	2.3-2.6	2.1-2.4
Passenger Capacity	Seats	23-41	55-64	23-40
Accessibility	Doors	1-2	2-3	1-2
Main Components	HVAC	Electric A/C KFRBPT3	Electric A/C KFRBPT3	Electric A/C KFRBPT3
	Cooling System	103,000 BTU	103,000 BTU	103,000 BTU
	Charger	ZE-0268 (45kW)	ZE-0268 (45kW)	ZE-0268 (45kW)

Benefits



ZEPS buses can be integrated into most fleets and are composed of fewer moving parts.



ZEPS buses provides customers a viable alternative to fossil fuel as it provides a significant reduction in greenhouse gas emissions.



ZEPS vehicles improve reliability and efficiency, resulting in low maintenance and fuel costs.



ZEPS buses are built with a proven American chassis and only top tier parts, providing safe and reliable transportation.

SAVE MONEY. SAVE FUEL. SAVE THE WORLD.

ZEPS buses does not require engine oil, transmission fluid, anti-freeze, or gasoline. It reduces greenhouse gas emissions than compared to diesel, diesel hybrid, and natural gas-powered buses. By reducing air pollution, ZEPS buses deliver significant societal and environmental benefits.



ZEPS is committed to providing the transit industry with the most advanced technologies. The unmatched performance of ZEPS delivers a significantly longer operating range while maintaining battery life.

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TECHNOLOGY



Using lithium-ion NCA battery packs allows for a reduction in battery pack weight. The battery packs offer highly integrated all-in-one solutions for a variety of different applications.



Energy-efficient windows are designed to maintain comfortable internal air temperatures for enhanced passenger comfort.



By utilizing LED lighting throughout the bus, the lighting energy consumption is reduced by two-thirds. The decrease of energy increases the lifespan of the bulb resulting in lower maintenance cost and provides more power to other components of the bus.



The ZEPS bus is built on proven American bus chassis. Its motor control system provides an optimum level of integration for any transit application. The components used in the drivetrain are built in a compact package to lower vehicle weight and maximize range and cycle life.



High-density polyurethane foam reinforced with layers of fiberglass and finished off with rubber flooring is used throughout the bus. Composite flooring is light-weight and provides a stronger route and corrosive resistance to natural elements.



The ZEPS bus provides intelligent climate control that maintains optimal internal temperature in all-weather conditions. The all-electric rooftop-mounted air conditioning system provides uniform cooling at all vehicle speeds and loads.