

uniqueHEV[®]

FLATBED 6500 FUEL CELL ELECTRIC REPOWER



MODEL YEAR 2014 - 2025



A uniqueHEV[®] Repower:

- Convert your existing ICE vehicle to fuel cell electric.
- Purpose built uniqueHEV[®] fuel cell electric drive train.
- Performance specs exceeding gas & diesel equivalents.
- Operational with or without hydrogen.



Unique Electric Solutions (UES) has developed a field-proven electric drivetrain solution called uniqueHEV[®] that delivers like-new performance and range for existing commercial vehicles. Repowering buses and trucks with uniqueHEV[®] is straightforward. The vehicle's old, polluting powertrain is removed and replaced with a clean, high-torque electric motor, batteries, and associated electronics. Diesel engines, transmissions, fuel tanks, mufflers, and exhaust treatment systems are eliminated, converting the vehicle to fully electric with the operational benefits of a new commercial vehicle. Repowering a commercial bus or truck typically takes less time than waiting for a new vehicle, and drivers quickly adapt, enjoying the increased power and improved driving experience.

The UES uniqueHEV[®] platform is designed for a wide range of commercial applications, from passenger transport to freight and delivery services, on both urban and rural routes. The system features a high-torque electric motor paired with safe LFP batteries, optimized for the duty cycle of various commercial vehicles. Our flexible architecture allows battery and fuel cell configurations to meet specific needs for range, heating, air conditioning, DC fast charging, and vehicle-to-grid (V2G) capabilities, ensuring seamless and efficient deployment for all types of commercial buses and trucks.



Up to 80% reduction in fuel costs



Zero tailpipe emissions



Up to 70% reduction in maintenance costs



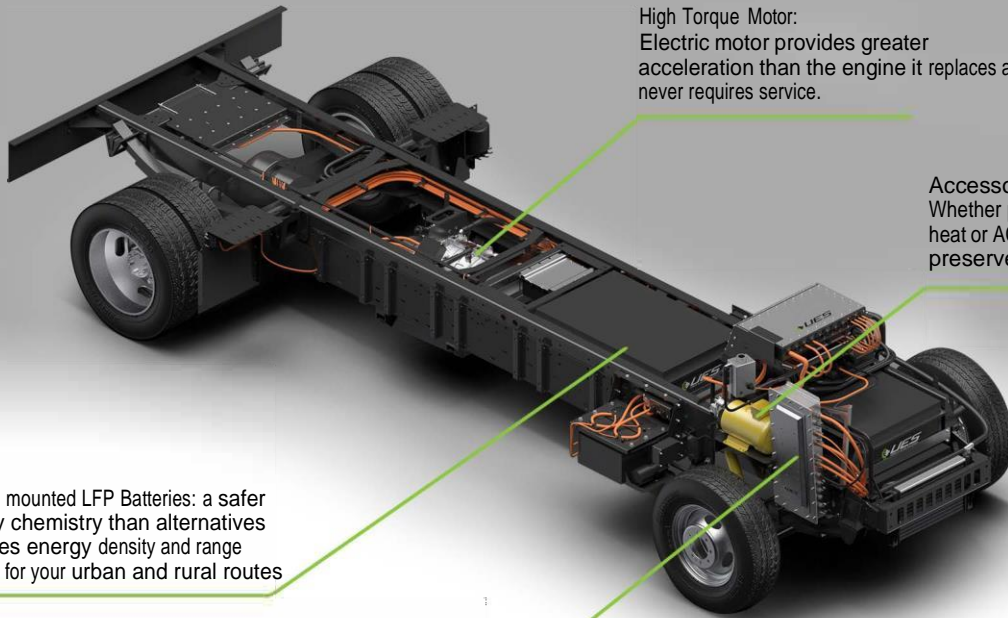
Lower total cost of ownership



Improved acceleration



Clean, quiet community friendly



High Torque Motor:
Electric motor provides greater acceleration than the engine it replaces and never requires service.

Accessory Power & Control:
Whether power steering, air brakes, heat or AC, all systems' functionality is preserved

Inboard mounted LFP Batteries: a safer battery chemistry than alternatives provides energy density and range needed for your urban and rural routes

Zero maintenance power and control electronics keep your truck on the road and out of the repair shop.

SPECIFICATIONS:

Refueling time	3-5 min (depending on fill station)
Hydrogen Capacity	10 kg @ 350bar
Battery Type	LiFePO
Battery Capacity	60kWh
Charging	SAE J1772 Level 2 DCFC optional
Charging Connector	CCSI 80/150A
Regenerative Braking	Yes
GVWR	Up to 33,000 lbs

Motor Power	225 kW peak
Motor Torque	2800Nm peak (2050lb-ft)
Vehicle Brand	GMC
Dash	Digital panel
Brakes	Supports both hydraulic and air brakes
Telematics	Included
V2G Vehicle to grid	Optional
Range	Up to 250 miles ⁽¹⁾
Heat	Electric or fuel fired ⁽²⁾
AC	Optional ⁽²⁾

- 1) Range dependent on drive cycle, driver behavior, accessories and HVAC usage.
- 2) CA-HVIP AC and electric heat included

ABOUT US:

Unique Electric Solutions (UES) is an electric vehicle drivetrain systems manufacturer for trucks and buses. Our uniqueHEV® platform, a Class 4-7 all-electric propulsion system, can be deployed in both new production vehicle platforms as well as repowers of on-road medium and heavy-duty trucks and buses for numerous applications such as school bus, package delivery, passenger transportation and terminal trucks. The uniqueHEV® system is field-proven including daily service with school buses and large commercial fleets such as UPS (United Parcel Service). The UES team has deep experience in helping fleets transition to clean, quiet and cost-effective electric propulsion.