



Electrify Your Fleet With Allison's Upgraded Electric Hybrid – H 40/50 Flex EV™

Proven Reliability, Durability & Performance

Since 2003, Allison Hybrid EP systems have demonstrated bottom-line operating benefits to municipalities and fleets all over the world while delivering industry-leading performance. Now Allison is taking its hybrid propulsion system to the next level with the FLEX EV Electric Hybrid, which provides enhanced capabilities and electric propulsion when you need it without having to invest in fully electric vehicles.

Operations Benefits

Electric propulsion—ideal for Zero Emission Zones and depot operation

- EV propulsion up to 35mph (axle ratio dependent)
- EV range of up to 10 miles based on the duty cycle
- Geo-fencing compatibility

Increased accessory power and reduced noise through electrification

- Emissions-free accessory operation at stops

Improved fuel economy through Engine Stop Start technology

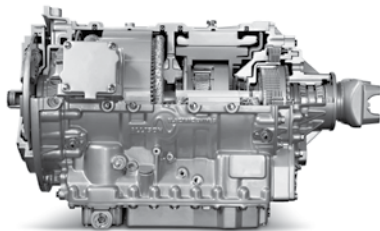
- Control system turns engine off (EV Mode) during deceleration
- All electrified accessory systems continue to operate
- Drive unit capable of re-gen and propulsion
- Control system restarts the engine after EV vehicle launch

No additional infrastructure investment required



New and Enhanced Features

Upgraded Components Provide Enhanced Capability



Drive Unit

- Clutch added to enable disconnecting input shaft from the engine
- Provides propulsion while the engine is at zero speed



Inverter

- Improved efficiency
- Improved packaging - 1/3rd the weight and 50 lbs lighter than current component
- WEG cooling - no oil coolant lines from drive unit



Rechargeable Energy Storage System

- LTO chemistry ideal for hybrid operation
- Increased energy capacity - longer range
- Improved life

Allison: A Global Leader in Transit Hybrid Propulsion Solutions

- Over 8,500 hybrid propulsion systems delivered globally
- Serving 230 cities
- Over 2.2 billion miles of reliable operation
- Over 265 million gallons of fuel saved
- Over 2.6 million metric tons of CO₂ emissions prevented

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