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Accelera showcases latest zero-emissions lineup for commercial vehicles at ACT Expo

New products and digital solutions aim to advance battery-electric technology adoption in North America

Columbus, Ind. - Accelera™ by Cummins, the zero-emissions business segment of Cummins Inc. [NYSE: CMI], has unveiled its latest advancements in zero-emissions technologies at the Advanced Clean Transportation (ACT) Expo in Anaheim, California. For the second year in a row, Accelera has introduced state-of-the-art decarbonization solutions at [ACT Expo](#), driving the future of sustainable commercial transportation.

"We are thrilled to introduce our new battery-electric products and innovative digital capabilities at this year's ACT Expo," said Brian Wilson, General Manager of eMobility at Accelera by Cummins. "Designed to meet the evolving needs of the North American commercial vehicle market, these zero-emissions technologies are designed for reliability and efficiency, paving the way for a greener future."

What's New?**Advanced lithium iron phosphate (LFP) light-duty battery**

The advanced light-duty battery is a versatile pack designed for flexible packaging and ease of integration.

- Applications: Light-duty trucks, off-highway equipment and other commercial applications
- Optimized density: Higher energy density and extended range compared to previous LFP battery technology
- Advanced design: Designed for narrow-body, low ground clearance chassis and allows for flexible mounting options
- Localized production: Battery cells will be manufactured in Mississippi by Amplify Cell Technologies, a [joint venture](#) between Accelera, Daimler Truck, and PACCAR
- Long lifespan: Delivers over 4,000 charge cycles

Fully integrated powertrain



Accelera's newest zero-emissions, medium-duty powertrain combines three key components into a single, optimized solution:

- [Advanced LFP](#) tiered platform batteries
- [14Xe](#) eAxle
- [Power Controls and Accessory System](#) (PCAS) 3.0

Accelera [recently announced](#) a partnership with Isuzu to supply the fully integrated battery-electric powertrain for its F-series medium-duty truck product lineup.

Innovative digital solutions

Two major advancements have been introduced to enhance operational and energy efficiency for battery-electric commercial vehicles:

- Over-the-air (OTA) software updates: Accelera's first fully hands-free software update solution is now available, reducing vehicle downtime and lowering maintenance costs. Initially offered for the school bus market, this cutting-edge technology ensures efficient software management for fleet operators and has the potential to be used in other battery-electric commercial vehicles in the future.
- Vehicle-to-grid (V2G) charging certification: Accelera recently achieved ISO15118-20 certification, enabling its products to deploy advanced V2G capabilities. This certification allows vehicles to draw power from the grid and return energy to it, promoting grid stability and energy efficiency. Accelera first introduced this technology for Blue Bird buses equipped with Accelera's electric powertrain and BP97E batteries.

By introducing cutting-edge technologies, Accelera continues to deliver high-quality, domestically manufactured components. Our innovative solutions aim to enhance vehicle performance, maximize energy efficiency and provide flexible customization options for various applications. As Accelera expands partnerships and extends its range of digital features, it is paving the way for a cleaner, more sustainable future for commercial transportation.

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About Accelera™ by Cummins

Accelera by Cummins provides a diverse portfolio of zero-emissions solutions for the world's most economically vital industries, empowering them to accelerate the transition to a sustainable future. Accelera, a business segment of Cummins Inc., is both a components supplier and integrator, focused on batteries, eAxles, traction systems, integrated powertrain solutions, hydrogen fuel cells, and electrolyzers. Accelera currently has operations in North America, across Europe, and in China.



Cummins, a global power solutions leader, is a corporation of complementary business segments that design, manufacture, distribute, and service a broad portfolio of power solutions. Headquartered in Columbus, Indiana (U.S.), Cummins has approximately 69,900 employees and earned \$3.9 billion on sales of \$34.1 billion in 2024. It operates a robust distribution and support network in more than 190 countries and territories.

To learn more about Accelera by Cummins, visit accelerazero.com.