

PIERCE® VOLTERRA® PLATFORM OF ELECTRIC VEHICLES



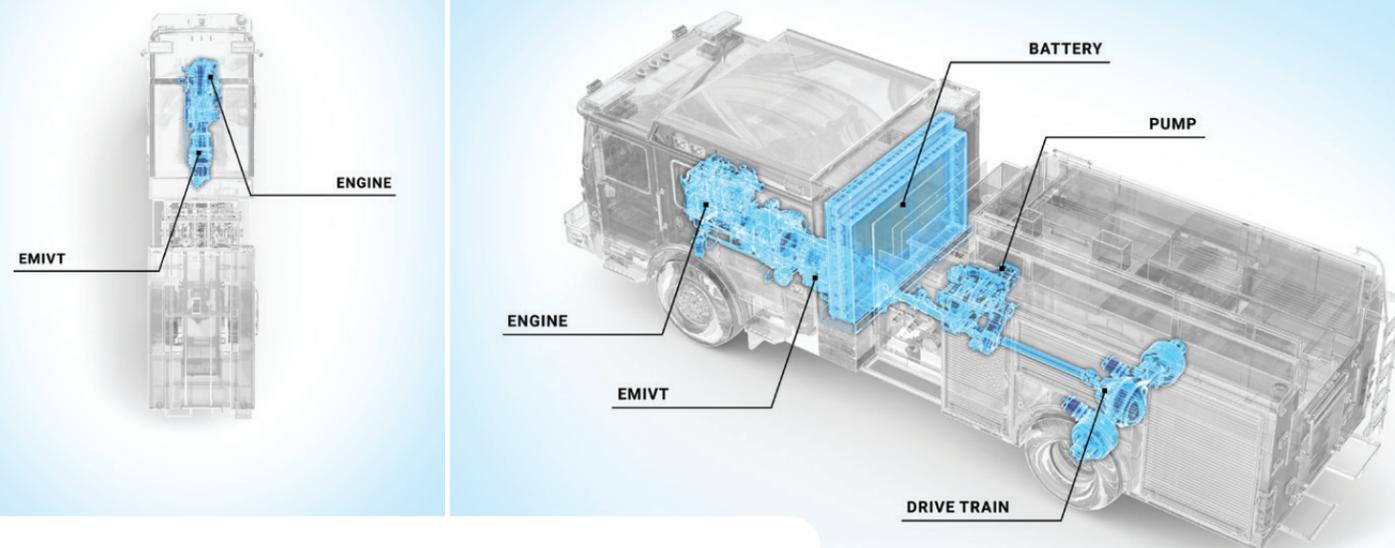
An Oshkosh Corporation Business



Zero emissions. Zero compromise.

Reduce emissions, minimize fuel and produce less noise with no compromise on apparatus features, performance, functionality and safety. The Pierce® Volterra® Platform of Electric Vehicles meets the needs of your fire department while providing the operational performance you expect from your apparatus.

Beyond the truck. Pierce not only builds the electric vehicle but also provides the tools to support and operate the vehicle effectively. When you purchase an electric vehicle, Pierce is ready to provide the infrastructure your station needs to support the vehicles in your fleet, as well as service to the charging stations for the life of the vehicle.



Electro-Mechanical Infinitely Variable Transmission (EMIVT)

The EMIVT serves as the transmission in the apparatus and is the foundation of the Pierce Volterra Platform of Electric Vehicles. This component is required whether running on battery or the internal combustion engine, as it powers the drivetrain in both applications. The EMIVT is capable of using electric or internal combustion engine power to operate the vehicle.

Driving

- An Oshkosh patented parallel-electric drivetrain featuring an electro-mechanical infinitely variable transmission (EMIVT) allows zero-emissions operation when powered by the integrated onboard batteries
- The chassis will operate under electric power in all normal operational situations and will leverage the internal combustion engine for backup power in extended emergency operations

Pumping

- Standardized Pierce pumping configurations, up to 2000 gpm, are driven through the electric driveline and are powered by either the integrated onboard batteries or the internal combustion engine
- The driveline allows for zero emissions during quick attack responses, and has the ability to transition seamlessly to internal combustion power for extended pumping operations

Charging

A fire station-based, all encompassing vehicle charging infrastructure provides operational readiness for Volterra electric vehicles, but it is not a one-size-fits-all solution.

Pierce works with departments to calculate optimal charging requirements, helping to customize the right-sized solution based on typical run volume, distances and response times. This ensures efficiency without unnecessary costs and fast charging solutions capable of supporting an electric fire truck in EV mode for your departments operational cadence.



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Specifications, descriptions, and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice.

Illustrations may include optional equipment and accessories and may not include all standard equipment. All measurements are nominal values.

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