

PIENAAR ENERGY (PTY) LTD

Energy storage device of Allison gearbox



Overview

Drive Unit: Integrated electric motors in a multi-speed gearbox for full engine-off propulsion. Inverter: Compact, lightweight design with improved efficiency and WEG cooling. Rechargeable Energy Storage System: LTO chemistry for rapid recharging and an industry-leading 10-mile. Allison's eGen Flex[®] is capable of operating up to 50% of a bus's route in engine-off mode, made possible by the Drive Unit, Inverter and Rechargeable Energy Storage System. The eGen Flex offers ratings capability of up to 330 hp (246 kW), 1,050 lb-ft of torque (1,424 N·m) and GVW of 70,000 lbs. As community requirements change, so do our solutions. Allison is committed to zero-emission. [Click here to set this device as a trusted device for 30 days.](#) Advanced Electric Hybrid Propulsion for Maximum Efficiency and Environmental Benefits Achieve up to 50% fully electric propulsion without additional charging infrastructure. The manual covers General Information, Description & Operation, Preventative Maintenance, General Overhaul, Information, Disassembly of Transmission, Rebuild of Subassemblies, Assembly of.

Energy storage device of Allison gearbox



Buy Allison Transmission eGen Flex® Electric Hybrid Solutions

Rechargeable Energy Storage System: LTO chemistry for rapid recharging and an industry-leading 10-mile electric range. Up to 25% improvement in fuel economy compared to conventional diesel buses. ...

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H 40/50 EP(TM) ENERGY STORAGE SYSTEM (ESS) SERVICE MANUAL

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Allison eGen Flex Rechargeable Energy Storage Systems Service ...

This is the OEM, Factory Service Manual for the Allison eGen Flex Rechargeable Energy Storage Systems.

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eGen Flex Hybrid System , Allison Transmission

Rechargeable Energy Storage System
eGen Flex ® uses lithium-titanate (LTO)
battery chemistry to support EV
operation. The electric battery is
recharged through a regenerative
braking system, ...



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Allison eGen Flex Rechargeable Energy Storage Systems Service ...

This Service Manual describes the
operation, maintenance, and overhaul
procedures for the Allison eGen Flex
Rechargeable Energy Storage System.
Describes major components, power
flows, ...

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Chapter 47-Allison EV Drive Hybrid Systems

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SKM C30820062912130

The Allison Hybrid EP system features a



two-mode split parallel architecture -- a pure mechanical path and a pure electrical path to achieve the highest energy efficiency.

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ENERGY STORAGE SYSTEM FOR ELECTRIC VEHICLES

An energy storage system comprising at least one energy storage module adapted to supply electrical energy to a hybrid vehicle.

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Experience the future with the most proven hybrid technology.

With Allison Transmission aggressively moving forward with hybrids, not only for buses, but commercial trucks, we decided to adopt new model designations for this family of hybrids.

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