

Designed for deep-cycle applications

The Trillium batteries by Trojans feature over 5000 cycles. The embedded MCU enables real-time state-of-charge, state-of-health analytics, and control algorithms.



The IP67-rated Trillium batteries are suitable for mobile and stationary applications (Photo: Trojan)

The Li-ion battery (LIB) features automotive-grade safety components, CAN connectivity, and an integrated state-of-charge indicator. The electronic controls allow 12-V, 24-V, 36-V, and 48-V applications including the ability to use most existing lead-acid chargers. "This is another significant milestone towards our strategic mission of offering a complete range of deep-cycle energy storage technologies and solutions for our customers," said Neil Thomas president and CEO of Trojan. "The addition of a highly competitive Lithium product line further strengthens our best-in-class technology portfolio."

The LIB is designed and engineered in the USA. Initially, it is available in three sizes. The product offers a range of safety, environmental, and electronic features not found in competitive products including an built-in diagnostic as well a superior cell and battery design, said the supplier. "It was important for us to incorporate intelligent solutions including advanced cell technology, sophisticated electronics and easy integration for our customers," said Ivan Menjak, Trojan's director of global product solutions. "We have incorporated industry-standard 26650-size Lithium Iron Phosphate (LFP) cells and the highest capacity cell configuration to provide market-leading cycle life and energy density. This allows for lower initial cost of energy as well as decreased total cost of ownership over the life of the battery."

The LIB is designed to be a replacement for existing lead acid batteries. The built-in battery protection system guards the battery from the extreme demands of various motive and stationary applications. Aftermarket customers without Lithium battery experience are now able to switch to this advanced energy technology without the need for sophisticated expertise in Lithium Ion technology or system integration. In addition, OEM customers can add the Trillium range of products into equipment without significant investments in custom pack design and development. With full validation and safety and performance certifications, Trillium offers the peace of mind that comes with Trojan's legendary robustness.

"Trojan's entry into the Lithium Ion space demonstrates our commitment to offering energy storage solutions for our customers in deep-cycle industrial segments and allows for expansion into exciting new markets," said Bryan Godber, Trojan's executive vice president of marketing and product management. "With over 90 years of battery technology expertise and application knowledge, we can provide premium solutions optimized for our target applications."

The battery is equipped with a CAN interface. The user is responsible for selection and procurement of mating hardware and cabling, including the specified 120-Ω termination between the CAN-H and CAN-L wires at each end of the CAN cable. Details on the CAN functionality are contained in the CAN User's Guide.

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