



FOR IMMEDIATE RELEASE

Media Contact:

Meryl Cook

Director, Marketing

Trojan Battery Company

562.236.3165

mcook@trojanbattery.com

Trojan Battery Company Introduces Trillium™ Line of Intelligent Lithium Ion Batteries for Deep-Cycle Applications

Expanding Battery Technology Portfolio by adding Longer Runtime and More Lifetime than Comparable Lithium Products

SANTA FE SPRINGS, Calif., Oct. 29, 2018 – Trojan Battery Co., LLC, the world’s leading manufacturer of deep-cycle energy storage solutions for Motive and Stationary applications is proud to announce the Trillium line of Trojan Intelligent Lithium batteries. With life expectancy over 5,000 cycles, Trillium maximizes total energy throughput and lowers lifetime operating costs. Trillium is ideal for meeting demanding deep-cycling requirements across a wide range of stationary and motive power applications and delivers the best in class performance Trojan batteries are known for.

Trojan’s Intelligent Lithium battery has *More Runtime, More Lifetime and More Peace of Mind* than competing Lithium Ion products in the industrial market segment. “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 Battery. “The addition of a highly competitive Lithium product line further strengthens our best-in-class technology portfolio.”

CALIFORNIA

GEORGIA

Trillium is designed and engineered in the USA and is initially available in 3 popular sizes that can be used in a variety of applications. Trillium offers a range of advanced safety, environmental and electronic features not found in competitive products including an intelligent built-in diagnostic as well a superior cell and battery design. “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.”

Trillium 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 quickly add the Trillium range of products into equipment without significant investments in custom pack design and development. With full validation and industry-leading 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 Battery’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.”

Trillium features automotive-grade safety components, CAN-bus communication and an integrated state-of-charge indicator. The electronic controls allow for voltage compatibility for all 12V, 24V, 36V and 48V applications including the ability to use most existing lead-acid chargers.

Key Product Features & Benefits

- **Highest capacity LFP technology** – More energy in a smaller footprint provides longer runtime and can minimize the battery size needed to meet range.

- **Microprocessor-based intelligence** – Allows for real-time state-of-charge, state-of-health analytics and enhanced control algorithms.
- **Automotive-grade components** – Trillium features a hermetically sealed contactor relay rated for 1 million cycles enabling enhanced battery short circuit and electrical hazard protection.
- **IP67-rated enclosure** – Trillium features the highest rating for environmental protection for this class of products, enabling use in demanding environments while assuring complete protection against dust and moisture.
- **U.S. engineering and quality excellence** – Trillium is designed and engineered with Trojan's legendary reliability, premium components, and exacting quality standards. Unlike most competing lithium products, Trillium is currently made in the USA.

About Trojan Battery Company

Trojan Battery is the world's leading manufacturer of deep-cycle energy storage solutions for Motive and Stationary applications and a battery technology pioneer, having built the first golf car battery in 1952. Trojan batteries provide power for a wide variety of Motive and Stationary applications that require deep-cycle battery performance, including aerial work platform/MEWP, airport ground support equipment, floor cleaning machines, golf and utility vehicles, marine/RV, material handling, oil/gas and renewable energy industries.

Founded in 1925, the company is ISO 9001:2015 certified with operations in California and Georgia and maintains two of the largest and most extensive research and development centers in North America, dedicated to engineering new and advanced battery technology. For more information visit www.trojanbattery.com.

Follow Trojan Battery:

- Facebook: www.facebook.com/TrojanBatteryCompany
- Twitter: [@Trojan_Battery](https://twitter.com/Trojan_Battery)
- Hashtag: #TrojanBattery
- LinkedIn: www.linkedin.com/company/trojan-battery-company
- YouTube: www.youtube.com/user/trojanbatteryco
- Instagram: www.instagram.com/trojanbatterycompany/

###