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SPI Booth #1576

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Trojan Battery Ships J200-RE 12V with Smart Carbon™

SANTA FE SPRINGS, Calif., Sept. 7, 2016 – Trojan Battery Co., LLC, the world's leading manufacturer of deep-cycle batteries, today announced shipping of the J200-RE, the newest addition to its Premium line of advanced lead acid, flooded batteries with Smart Carbon™ for renewable energy (RE) applications.

The J200-RE will be featured at the Trojan booth 1576 during Solar Power International held Sept. 12 – 15, 2016 in Las Vegas.

The J200-RE is part of Trojan's Premium line featuring Smart Carbon, Trojan's proprietary carbon additive that helps to reduce the effects of Partial State of Charge (PSOC) in renewable energy applications. Deep-cycle batteries used in off-grid and unstable grid applications are heavily cycled at PSOC. Operating at PSOC on regular basis can quickly diminish the overall life of a battery, which results in frequent and costly battery replacement.

"The immediate availability of the J200-RE allows our global customer base to now take advantage of the benefits of the battery's 12V, 200Ah performance and size for use in a wide range of RE applications," said Elke Hirschman, senior vice president of North American sales and marketing. "The added benefit of Smart Carbon and the eight-year service life, based on

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the IEC 61427 test, supports Trojan's continued commitment of providing the highest quality, reliable energy storage solutions for various renewable energy market segments."

To address the issue of PSOC, Trojan's engineering team developed the proprietary Smart Carbon advanced lead acid formula to enhance life and performance of Trojan batteries operating in RE, inverter backup and telecom applications where batteries are under charged on a regular basis. Along with increased life in PSOC, Smart Carbon provides improved charge acceptance and faster recharge in PSOC applications.

Trojan's J200-RE battery also incorporates a wide range of advanced engineering features of the Premium line, including:

- **Alpha Plus® Paste** with T2 Technology™ which optimizes porosity development in the active material enabling the active material to be used more effectively. This results in sustained battery performance over a longer period of time.

- **DuraGrid™ Design** provides a thick grid structure that resists corrosion, and when combined with the Alpha Plus Paste with T2 technology, increases overall battery life.

- **Maxguard® XL Separator** is exclusively available in Trojan's Premium and Industrial lines. It features a wide-channel design which increases acid flow for optimum battery performance, and provides even greater resistance to stratification, a typical mode of failure in batteries used in RE systems.

- **Moss Shield** protects the plates from damage. The moss shield increases the battery life by protecting the top of the plates from shorting to the cell strap.

- **Polyon™** container is Trojan's ultra-rugged case design which protects against damage caused by harsh environmental conditions, such as moisture and dirt buildup, as well as safeguards against potential acid leaks.

About Trojan Battery Company

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

Founded in 1925, the company is ISO 9001:2008 certified with operations in California and Georgia, and maintains two of the largest and most extensive research and development centers in North America, as well as one in Sligo, Ireland, dedicated to engineering new and advanced battery technology. For more information on Trojan Battery visit www.trojanbattery.com.

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