



News for Immediate Release

ELECTROVAYA LAUNCHES THE POWERPAD 600 LITHIUM ION SUPERPOLYMER® BATTERY FOR POWERING HEALTHCARE & MOBILE APPLICATIONS

Up to 60 hours run time for computers in medication carts and other mobile applications

Toronto, Ontario – July 30, 2012 – Electrovaya Inc. (TSX: EFL) today announced the introduction of the PowerPad 600. With an enormous 600 Watt hour energy storage capacity, the PowerPad 600 is an ideal replacement for existing lead acid and low energy density Lithium Ion batteries used in Hospitals, Construction sites, Warehouses, Telecommunications, Retail, Standby Power and wherever mobile power is required. The PowerPad 600 extends the PowerPad family of products and is in addition to the existing PowerPad 130.

Electrovaya's high-energy Lithium-Ion Super-Polymer® advanced rechargeable battery technology provides leading-edge power solutions for the world's most demanding applications. They are designed for safety and reliability with multiple layers of redundancies to meet the requirements for healthcare, automotive, grid and consumer applications.

“We intend to give the healthcare market more energy capacity than ever before, in a smaller space, such that mission critical healthcare applications never suffer from a lack of power,” says Ashis Basu, Marketing Manager Electrovaya.

The PowerPad 600 uses Electrovaya’s proprietary Lithium Ion SuperPolymer® battery technology which has up to 50% higher energy density than phosphate with comparable safety performance.

Hospitals in the US and Canada are implementing Electronic Medical Records (EMR) as a priority. Collection of data at the point of care is a key component of EMR requiring mobile power for extended periods of time demonstrating “meaningful use” of technology.

The PowerPad 600 is compatible with many laptops and with desktops, thin client and all-in-one computers. With its long cycle life, the PowerPad 600 has a lower cost of ownership than Sealed Lead Acid batteries and is virtually maintenance free.

“Recent initiatives by health-care organizations, medical professionals and government agencies to increase the use of technology within the health-care industry make this an ideal time to launch this exciting new PowerPad, which is based on Electrovaya’s proprietary, unique and leading-edge technology.” says Ashis Basu, Electrovaya’s Marketing manager. “This PowerPad 600 is the natural evolution of the proven PowerPad 130 and has nearly five times increased energy capacity along with an intelligent battery management system.”

About Electrovaya Inc.

Electrovaya Inc. (TSX:EFL) designs, develops and manufactures proprietary Lithium Ion SuperPolymer® batteries, battery systems, and battery-related products for the clean electric transportation, Utility Scale Energy Storage and smart grid power, consumer and healthcare markets. The Company's mission is to accelerate clean transportation as a commercial reality with its advanced power system for all classes of zero-emission electric vehicles and plug-in hybrid electric vehicles. The Company's other mission is to deliver Utility Scale Energy Storage Systems for the highest efficiency in electricity storage, whether the electricity is generated from intermittent wind and solar power or from other sources. Founded in 1996 and headquartered in Ontario, Canada, Electrovaya has production facilities in Canada as well as in the US, and customers around the globe. *To learn more about how Electrovaya is powering mobility, please explore www.electrovaya.com*

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Forward-Looking Statements

This press release contains forward-looking statements that involve a number of risks and uncertainties, including statements that relate to, among other things, the Company's objectives, goals, strategies, intentions, plans, beliefs, expectations and estimates, and can generally be identified by the use of words such as "may", "will", "could", "should", "would", "likely", "expect", "intend", "estimate", "anticipate", "believe", "plan", "objective" and "continue" (or the negative thereof) and words and expressions of similar import. Although the Company believes that the expectations reflected in such forward-looking statements are reasonable, such statements involve risks and uncertainties, and undue reliance should not be placed on such statements. Certain material factors or assumptions are applied in making forward-looking statements, and actual results may differ materially from those expressed or implied in such statements. Important factors that could cause actual results to differ materially from expectations include but are not limited to: general business and economic conditions (including but not limited to currency rates and creditworthiness of customers); Company liquidity and capital resources, including the availability of additional capital resources to fund its activities; level of competition; changes in laws and regulations; legal and regulatory proceedings; the ability to adapt products and services to the changing market; the ability to attract and retain key executives; and the ability to execute strategic plans. Additional information about material factors that could cause actual results to differ materially from expectations and about material factors or assumptions applied in making forward-looking statements may be found in the Company's most recent annual and interim Management's Discussion and Analysis under "Risk and Uncertainties", as well as in other public disclosure documents filed with Canadian securities regulatory authorities. The Company does not undertake any obligation to update publicly or to revise any of the forward-looking statements contained in this document, whether as a result of new information, future events or otherwise, except as required by law.