

Energy storage systems: Leclanché presents comprehensive lithium-ion storage program at the Intersolar 2012 sector trade fair

- **2-10 kWh basic storage solutions for home roof PV system**
- **Container storage for industrial applications with up to 500 kWh capacity**
- **New production line with 76 MWh capacity begins start-up operations in July 2012**

Yverdon-les-Bains, June 6, 2012 – Energy storage system specialist Leclanché (SIX Swiss Exchange : LECN) is presenting a complete lithium-ion product program at Intersolar 2012 in Hall B6, Stand 22, ranging from basic solutions for homeowners to major storage systems in container format. The Leclanché cells, manufactured in Willstätt, Baden-Württemberg, constitute the core of the storage solutions. The lithium-titanate-electrode-based technology, with the patented ceramic separator, is characterised by its above-average life cycle and extraordinarily high safety features, as recently confirmed by TÜV Rheinland in May 2012.

"Our storage systems provide what they promise: whether in terms of safety, life cycle or depth of discharge (DOD) of nearly 100% in standard usage. All in all, we offer our customers tailor-made storage solutions with a clear cost benefit when taking into account the entire life cycle. Aside from the price, it is the quality that ultimately plays a determining role for the customer. We guarantee it by developing and manufacturing our cells in-house. Our customers can rely on our storage systems," said Dr. Ulrich Ehmes, CEO of Leclanché S.A.

For home storage applications, Leclanché offers stackable storage modules with storage capacity of up to 10 kWh. Fitted with Leclanché's lithium-titanate cells, the modules are designed to achieve a life cycle of 15,000 cycles at 100% depth of discharge. This storage module is therefore ideally suited for the life cycle of a typical home-roof photovoltaic system.

Based on modular system architecture, Leclanché offers up to 500 kWh of storage capacity for industrial storage systems. The areas of application range from temporary storage for wind and solar parks to network stabilization and buffering of peak loads. Leclanché's storage systems are characterised by their high level of cycle stability and no need for system over sizing thanks to full discharge capability. Costs per stored kWh are consequently reduced to particularly low levels over the entire life cycle. Decentralized container storage solutions therefore constitute a realistic alternative to cost- and time-intensive grid expansion.

Leclanché will begin start-up operations of its new production line in Willstätt, Baden-Württemberg in July 2012, built with investments of more than EUR 20 million. The facility will have a capacity of 76 MWh, or 1 million lithium-ion cells per year, corresponding to roughly 18,000 storage solutions for homeowners or around 150 large-scale industrial storage systems.

For any questions regarding Intersolar, please contact Udo Wichert, Leclanché Marketing Manager, Tel: +49 7852 818-26.

About Leclanché

Leclanché specializes in the production of tailor-made energy storage solutions. Leclanché's strategy is to expand its position as one of the leading lithium-ion cell producers and solution providers for renewable energy storage systems in Europe. Its initial strategic priority is stationary home electric energy storage applications and expansion into the stationary industrial and grid electricity storage markets. Through participation in research consortia focusing on off-road and automotive applications, Leclanché is positioned to take advantage of new market opportunities.

Through a licensed ceramic separator technology and focus on lithium-titanate technology, Leclanché manufactures large-format lithium-ion cells optimized for safety and cycle-life in a fully automated production process. Leclanché currently operates a fully automated pilot production line with an installed annual production capacity of up to 4 MWh in large-format lithium-ion cells. By the end of the second quarter of 2012, Leclanché expects to commence commercial production at its first mass production line with an installed annual capacity of up to 76 MWh in lithium-titanate cells. Following several years of development, Leclanché has implemented in its new production unit a patented technology allowing solvent-free water-based manufacturing of electrodes, which provides benefits in terms of costs, for the environment as well as for employees.

Leclanché was founded in 1909 in Yverdon-les-Bains. Through the integration of a spin-off from the Fraunhofer-Gesellschaft in 2006, the company evolved from a traditional battery manufacturer to become a leading developer and manufacturer of lithium-ion cells in Europe. Leclanché currently employs 120 staff and recorded revenues of CHF 13.4 million in 2011. The company has its headquarters in Yverdon-les-Bains (Switzerland) and production facilities in Willstätt (Germany). Leclanché is listed on the SIX Swiss Exchange (LECN).

Contact for Swiss media:

Christophe Lamps, Dynamics Group S.A.: Telephone: +41 22 308 62 22, cla@dynamicsgroup.ch

Contact for International media:

Markus Wieser, CNC AG: Telephone: +49 89 599 458 114, markus.wieser@cnc-communications.com

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