

Press information

Kyocera markets lithium storage system from Prosol Invest

“Sun battery”: using the sun to generate, store and consume energy independently of all networks

Kyoto / Neuss, 06 May 2013 – Anyone who installs a photovoltaics unit on their roof wants to minimise their impact on the environment by taking advantage of clean solar energy while at the same time making the greatest use of this source of energy. As income from feed-in tariffs falls, intelligent storage solutions for solar-generated electricity become increasingly attractive to people who want to optimise their power consumption – especially private households. Japanese technology group and solar expert Kyocera has now joined forces with Prosol Invest Deutschland to start marketing an intelligent lithium storage system. The “sun battery” stores excess solar-generated electricity and enables solar unit owners to make use of the CO₂-neutral power they generate themselves, upping “in-house” consumption rates considerably. This innovation enables people who own their own private solar power unit to become ever more independent of the public electricity grid. Even in the event of a power blackout, the “sun battery” delivers reliable electricity output so you can always enjoy whatever you had planned, e.g. watching your favourite TV show.

The sun battery comes in six types to suit the size of a particular house or household. The basic model possesses a storage capacity of 4.6 kWh and is suitable for households with electricity consumption of 3,000 kWh and above; the XXL batter can store 41 kWh of electricity, making it ideal for buildings where annual energy consumption is 12,000 kWh and above.

Technically refined – convenient control

The battery’s smart function means owners can automatically activate

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technical appliances via remote control the minute excess electricity is available. Using a mobile app, the sun battery can also be activated remotely by people on the move – all they need is a smartphone or tablet for full control of the battery. All appliances and plugs in the home can of course still be used in a conventional manner.

Pooling solar expertise

Talking about the new joint undertaking, Kyocera's European president Shigeru Koyama said, "It is our great pleasure to have acquired Prosol as a reliable partner with a long history of experience and outstanding technical expertise. Just like Kyocera, Prosol is dedicated to quality. Together, we want to expand the boundaries of progress in the field of renewable energies with our customised and intelligent solutions." For several years, Prosol has been engaged in developing intelligent solutions in energy consumption. The sun battery was first launched on the German market at the start of 2011. This storage system is compatible with all Kyocera solar modules, and – even better – it can be added to existing photovoltaic units so users can increase their domestic consumption of the power they generate themselves.

Sun battery: an overview

Storage capacity in kWh	4.6 to 41.0
Max. output in kW	2.4 to 18.0
Guarantee	7 years
Weight	150kg to 910kg
Dimensions in cm (width/height/depth)	Depending on the model: 64/130/50 2x64/130/50 3x64/130/50

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For more information about Kyocera: www.kyocera.eu

About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 235 subsidiaries (as of April 1, 2012), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the largest producers of solar energy systems worldwide, with more than 3,0 gigawatts of solar power having been installed around the world to date.

With a global workforce of about 71,000 employees, Kyocera posted net sales of approximately €10.58 billion in fiscal year 2012/2013. The products marketed by the company in Europe include laser printers, digital copying systems, microelectronic components, fineceramic products and complete solar power systems. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Fineceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at present €500,000 per prize category).

About PROSOL Invest Deutschland

Since 2008, the partners in PROSOL Invest Deutschland GmbH have been heavily involved in researching intelligent solutions for domestic consumption of independently generated electricity.

Against this background, PROSOL Invest Deutschland GmbH, which can look back on over 10 years of experience in the photovoltaic sector, developed the "sun battery". The battery saw its successful market launch in Germany at the start of 2011. Since then, it has become tremendously popular with solar unit owners nationwide.

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