



Sunny Boy Smart Energy integrated battery inverter now available in the UK

Milton Keynes, September 22, 2014 – SMA Solar UK launches the Sunny Boy Smart Energy Battery inverter. This first wall-mounted, mass-produced PV inverter with an integrated battery can increase the self-consumption of solar power in households by up to 50%. With Sunny Boy Smart Energy, SMA again demonstrates its technological leadership. The Sunny Boy Smart Energy is now available in the UK. For more information please contact our UK PV Battery specialists BayWa.r.e, CCL Components Ltd. and Wind & Sun Ltd.

Important Building Block for the Energy Supply of the Future

“Complete energy supply from decentralised, renewable sources is feasible only through wide use of decentralised storage systems, which not only optimise the local supply but also compensate for grid-level power fluctuations and support grid control. To ensure the progress of the energy transition, affordable, easy to install and intelligently connected plug and play systems which suite nearly every household, are needed. The Sunny Boy Smart Energy fits UK’s emerging residential storage requirements ideally. It provides a sensible way to increase self-consumption, whilst it makes it easy to use self-produced solar power after the sun goes down.” quotes Jan Van Laethem, Regional Manager SMA Western Europe (Benelux, UK, France).

Small Storage - Economic and Efficient

The Sunny Boy Smart Energy is the result of SMA’s extensive research and development in the field of storage and energy management. The usable capacity of the integrated lithium-ion battery of around 2 kWh significantly reduces the initial investment by enabling economical operation in typical residential PV systems. The energy stored by the Sunny Boy Smart Energy is sufficient to supply a four-person household with about three hours of electric current in the evening. Overall, the new inverter raises the self-consumption rate by up to 50%. In addition, the integrated lithium-ion battery is designed with a service life of 10 years and a depth of discharge of 90%. This reduces the initial level of investment, overall costs over 20 years and space requirements. The Sunny Boy Smart Energy is just as quick and easy to install as a typical PV inverter, and needs no extra planning and design.

Integration Into the Smart Grid of the Future

The Sunny Boy Smart Energy blends seamlessly into the SMA Smart Home. Based on Sunny Home Manager generation and consumption forecasts, household appliances and battery can be managed in such a way that the storage system reduces the amount of electricity that must be transported by the utility grid, and evens out the fluctuating photovoltaic power generation. This not only makes the use of batteries even more efficient and gives the system operator more independence from rising electricity prices but also enables integration into future Smart Grid business models.



Particular Attention to Safety

During the development of the Sunny Boy Smart Energy, SMA paid special attention to safety. The VDE supported the entire development and both inverters and battery packages will be tested by VDE. In addition, SMA as well as the battery manufacturer LG Chem boast decades-long experience in the field of storage systems.

About SMA

The SMA Group generated sales of €932.5 million in 2013 and is the global market leader for solar inverters, a key component of all PV plants. SMA offers innovative key technologies for future power supply structures. It is headquartered in Niestetal, near Kassel, Germany, and is represented in 21 countries. The Group employs more than 5,000 people worldwide. SMA's broad product portfolio includes a compatible inverter for every type of module on the market and for all plant sizes. The product range includes both inverters for grid-connected photovoltaic plants as well as off-grid and hybrid system technology. The product portfolio is supplemented by comprehensive services and operational management of utility-scale pv-plants. Since 2008, the Group's parent company, SMA Solar Technology AG, has been listed on the Prime Standard of the Frankfurt Stock Exchange (S92) and also in the TecDAX index.

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