



SMA Solar Technology AG – Press Release

SMA Sunny Home Manager Also Set to Manage Home Appliances From BSH Hausgeräte GmbH

Niestetal/Berlin, September 4, 2015—Alongside home appliances from Miele and heat pumps from Stiebel Eltron and Vaillant, home appliances from BSH Hausgeräte GmbH (BSH) can also be incorporated into intelligent energy management systems with the SMA Smart Home. The home appliance brand Bosch will be presenting the solution, which uses the Home Connect standard together with energy management via EEBus, for the first time from September 4 to 9 at the IFA trade show in Berlin. At its booth, the Association for Electrical, Electronic and Information Technologies (Verband der Elektrotechnik, VDE) will also be demonstrating the networking and communication options offered by the standard, which was developed as part of the EEBus Initiative and will one day be available to all home appliance manufacturers.

Owners of PV systems that use the Home Connect app will be able to use their self-generated solar energy even more efficiently to operate their home appliances from the multi-brand company BSH Hausgeräte. As the central control unit of the SMA Smart Home, the Sunny Home Manager plans the use of appliances in line with users' needs. Via the FlexStart function of the Home Connect app, users specify the time period and program in which appliances such as the washing machine and dishwasher operate. The Sunny Home Manager determines how much power the PV system will produce over the next few hours by analyzing Internet weather forecasts. The energy manager also knows the typical consumption patterns of the household, for example that a proportion of the self-generated PV power will always be required for cooking at midday. Based on this information, it creates an operational schedule for optimal use of the surplus PV power, starting the washing machine and other appliances accordingly. The increase in self-consumption as a result reduces users' electricity bills in real terms, making the users more independent from rising electricity prices.

"Together with BSH, this is the first time we are testing the EEBus communication standard in practice," explained Martin Volkmar, Product Manager in the SMA Residential business unit. "The EEBus connects the Sunny Home Manager, as the energy manager, to home appliances made by the Bosch and Siemens brands so that all the relevant energy management data can be exchanged. The more appliance manufacturers that introduce the EEBus standard, the simpler and more all-encompassing household energy management will become. If everyone is speaking the same language, this allows for the best possible coordination of all appliances in the system and permits the most effective energy cost savings."



About SMA

The SMA Group with sales of more than €800 million in 2014 is the global market leader for solar inverters, a key component of all PV plants and 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 4,000 people worldwide. SMA's broad product portfolio includes a compatible inverter for every type of module on the market and for all PV system sizes. The repeatedly awarded product range includes system technologies for grid-connected photovoltaic systems as well as off-grid and hybrid systems. The technology is protected by more than 550 patents. The range of services is supplemented by comprehensive services and operational management of large-scale PV power 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.

SMA Solar Technology AG

Sonnenallee 1
34266 Niestetal
Germany

Head of Corporate Communications:

Anja Jasper
Tel.: +49 561 9522-2805
Presse@SMA.de

Press Contact:

Susanne Henkel
Manager Corporate Press
Tel.: +49 561 9522-1124
Fax +49 561 9522-421400
Presse@SMA.de

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