



SMA Solar Technology AG Press Release

New SMA Energy Management Platform ennexOS Successfully Tested at the EEBUS Initiative E-Mobility Plugfest

Niestetal / Cologne, June 22, 2017 – To coordinate the environmentally friendly and cost-saving aspects of energy consumption with each other, all electrical devices in modern energy networks must speak the same language. The foundation for this is formed by the pan-manufacturer EEBUS initiative. This has been set up by leading European manufacturers from the fields of smart home, domestic technology, e-mobility and energy to develop a common energy language, using the EEBUS standard. The new energy management platform ennexOS from SMA Solar Technology AG (SMA) has already mastered the EEBUS standard. This platform will combine all of a system's energy generators, consumers and storage systems and allow them to be controlled optimally. Proof that this also has application in the e-mobility sector was provided by the new platform ennexOS at the first e-mobility Plugfest of the EEBUS initiative in Cologne.

Representatives from SMA; the VDE Association for Electrical Electronic and Information Technologies; the VDA Automobile Industry Association members Porsche and Audi; the manufacturer for heating and cooling systems Viessmann; and the provider of electrical and smart-home solutions Hager, met at the first e-mobility Plugfest for live tests of the uniform device communication. "The uniform EEBUS standard makes a decisive contribution to using energy efficiently and thus saving costs," said Frank Blessing, Senior Business Development Manager Energy Services at SMA and, since May, a new member on the Managing Board of the EEBUS initiative. "This was proven in tests conducted at the e-mobility Plugfest and at HVAC Plugfest in May in Munich, where the entire communication between heating, smart home systems and energy managers was put to the acid test in the presence of representatives from the heating industry, such as Vaillant. With the Sunny Home Manager 2.0 and the SMA Data Manager M, SMA proves that solutions for connecting the electricity, heat and transport sectors are already on the market. The standardized integration of electric vehicles into energy management is a major success in the promotion and acceptance of e-mobility and a decisive step towards an all-electric society."

Successful tests to ensure grid stability and optimize self-consumption

Promoting electric vehicles and the necessary integration into existing grid infrastructures has led to major challenges in terms of safeguarding grid stability. Today's grid and domestic grid structures are not, for example, designed to simultaneously charge a large number of electric vehicles without intelligent coordination. It is precisely this intelligent coordination that SMA energy management takes over. It also offers the end customer true added value. Locally generated solar power is used as efficiently as possible, taking the electric vehicle and other loads into consideration, without sacrificing convenience for the end customer.



About EEBUS

EEBUS Initiative e.V. is an independent association with over 60 members—mainly leading European manufacturers from the fields of smart home, networked domestic technology, automobile industry and energy. Together with its members, this association develops the open EEBUS standard—the global language of energy in the internet of things. Thanks to this standard, devices and systems can communicate with each other about the efficient use of energy, regardless of their manufacturer. All specifications that are developed are standardized internationally and are freely accessible.

About SMA

The SMA Group with sales of around €1 billion in 2016 is the global market leader for solar inverters, a key component of all PV plants. SMA offers a wide range of products and solutions that allow for high energy yields for residential and commercial PV systems and large-scale PV power plants. To increase PV self-consumption efficiently, SMA system technology can easily be combined with different battery technologies. Intelligent energy management solutions, comprehensive services and operational management of PV power plants round off SMA's range. The company is headquartered in Niestetal, near Kassel, Germany, is represented in 20 countries and has more than 3,000 employees worldwide, including 500 working in Development. SMA's multi-award-winning technology is protected by more than 900 patents and utility models. 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 is currently the only company in the solar industry that is listed 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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