



SMA Solar Technology AG – Press Release

## **SMA Solar Technology AG and Audi Are Cooperating to Integrate E-mobility into Home Energy Management**

**Niestetal/Ingolstadt, June 13, 2018 – SMA Solar Technology AG (SMA/FWB: S92) and Audi are cooperating in the field of e-mobility. As part of the collaboration, the partners are linking the Audi e-tron electric model to SMA's Home Energy Management System (HEMS). This enables cost-optimized charging and sustainable photovoltaic power upon request.**

"E-mobility is becoming an important pillar in the energy supply of the future. In light of this, the integration of e-mobility into home energy management has a high priority because a large part of the charging process typically takes place at home. To make charging as easy and efficient as possible, Audi and SMA are pooling their expertise in the areas of e-mobility and energy management to develop an integrated solution," said Dr. Jürgen Reinert, member of the SMA Managing Board for Operations and Technology.

"Our standard for premium quality is that electric cars fit seamlessly into intelligently networked homes and thus offer real added value to customers. That's why we are working with the two leading home energy providers, SMA Solar Technology and the Hager Group. This makes charging really convenient," said Fermin Soneira, Head of Product Marketing at Audi.

### **Cost and CO<sub>2</sub>-optimized charging**

With the "connect" charging system and an appropriately equipped HEMS, customers can use variable electricity tariffs for charging the Audi e-tron. This means that the battery can be loaded with electricity at low-cost times while taking into account personal mobility needs, such as departure time or charging level. The "connect" charging system receives the necessary power tariff data either from the HEMS or from individually stored customer information in the myAudi portal. If the house has a PV system, it is possible for the customer to optimize the charging process in such a way that the Audi e-tron can give priority to its self-generated electricity for charging. For this, the electric SUV takes into account forecast sunshine phases provided by the HEMS and the flow of current from the house connection.

### **Protection against power outages**

The customer also benefits from power outage protection from the intelligent charging functions. The customer can always use the maximum available power that the house connection and the car allow for charging. The charging system takes into account the needs of other appliances and thus avoids overloading the utilities connection and triggering the main fuse. Customers can view their individual charging statistics and the charging process in the myAudi



portal and on the myAudi app. The relevant costs are also presented in detail in addition to the charging times and the amount of electricity used. The data is stored on a protected server and can be evaluated and exported in the portal. The solution will be available from the first quarter of 2019.

### **About SMA**

The SMA Group with sales of around €900 million in 2017 is a global 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 and digital energy 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 1,100 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.

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