



SMA Solar Technology AG Press Release

Flexible and cost-effective charging: SMA and Audi connect energy management with e-mobility

Niestetal, November 19, 2020 – One advantage of e-mobility is that users can charge their vehicles conveniently at home. Smart solutions coordinate electric vehicle charging with the requirements of other generators and loads in the household. The smart SMA Charge S charging solution combined with the Audi e-tron connect charging system now integrates the all-electric SUV Audi e-tron into the domestic energy management system. If the home is equipped with a PV system, SMA Charge S even prioritizes solar power for charging the vehicle.

“SMA Charge S allows SUV Audi e-tron(*) drivers to easily integrate their electric vehicles into the domestic energy management system and use sustainable solar power,” said Dr. Stephan Engel, charging solutions product manager at SMA. “Thanks to SMA Charge S and the Audi e-tron connect charging system, Audi e-tron drivers can charge their vehicles at home flexibly, reliably and in a cost-optimized manner. Just like the other [SMA charging solutions](#), SMA Charge S allows the e-vehicle to be charged with solar power, making e-mobility even more convenient.”

“Coordinated networking between the home and vehicle makes the Audi e-tron an integral part of the smart home,” said Ansgar Neudecker, home charging project manager at AUDI AG. “Seamless integration allows owners to make full use of all the smart charging features – from power outage protection and cost optimization through to solar power utilization. For our customers, this is another important step toward sustainable mobility – and it will be followed by many more.”

Charge your car when the electricity is affordable

SMA Charge S works with the e-tron connect charging system to ensure that the Audi e-tron is always charged with the highest available power that the home connection and vehicle allow. SMA Charge S also takes into consideration the needs of other household appliances, preventing the home connection from being overloaded. Integration into the domestic energy management system allows the vehicle to be charged at exactly the times when electricity is most affordable. Factors such as the planned departure time and required state of battery charge are also taken into account. Another particularly cost-efficient and sustainably way for PV system owners to charge their Audi e-tron is using solar power from their own roofs.

Audi customers can view their individual charging statistics and the charge status in the myAudi portal and on the myAudi app. In addition to the charging times and the amount of electricity used, the relevant costs are also presented in detail.



Future car owners will find a local partner from SMA's extensive network of solar power professionals to check and set up the home installation. Alternatively, their local Audi partner will arrange for a home check during which an electrician will provide advice on customizing and optimizing the charging solution.

(*)Applies to all Audi e-tron models.

[Learn more about SMA charging solutions for electric vehicles here.](#)

About SMA

As a leading global specialist in photovoltaic system technology, the SMA Group is setting the standards today for the decentralized and renewable energy supply of tomorrow. SMA's portfolio contains a wide range of efficient PV inverters, holistic system solutions for PV systems of all power classes, intelligent energy management systems and battery-storage solutions as well as complete solutions for PV diesel hybrid applications. Digital energy services as well as extensive services up to and including operation and maintenance services for PV power plants round off SMA's range. SMA inverters with a total output of around 95 gigawatts have been installed in more than 190 countries worldwide. SMA's multi-award-winning technology is protected by more than 1,600 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 listed in the SDAX index.

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