



SMA Solar Technology AG press release

Available now: The SMA eCharger uses solar energy and charges up to 50% faster

Niestetal, Germany, September 4, 2024—SMA brings solar energy to the streets. The new [SMA eCharger for PV-optimized charging of electric vehicles](#) is available now. It combines solar and grid power to charge electric vehicles up to 50% faster than standard wallboxes. Controlled by the Sunny Home Manager 2.0, the SMA eCharger makes efficient use of the available solar energy. Installers benefit from the easy integration into the SMA Home Energy Solution and automatic over-the-air updates for new functions.

“We’re bringing solar energy to the streets with our eCharger for PV-optimized charging. In addition to cutting CO₂, people who drive electric vehicles are increasingly looking for affordable and eco-friendly ways to source their charging current,” said Jan Van Laethem, Executive Vice President Business Segment Home at SMA. “Thanks to the seamless integration of the SMA wallbox into the SMA Home Energy Solution, we are giving installers the opportunity to include an e-mobility solution in their range and actively drive the energy transition.”

[Sunny Home Manager 2.0](#) and SMA eCharger: making the most of solar power

The SMA eCharger is easy to install and simple to use. It enables single-phase charging of electric vehicles with a combination of solar and grid power and charges a vehicle up to twice as fast as standard wallboxes. Users have a choice of intelligent charging modes—including charging with surplus PV—which are controlled using Sunny Home Manager 2.0. The system switches phases automatically to make the most of the available solar power while utilizing the self-generated solar energy to the maximum, even during low solar power periods. The fast charging mode saves time, and the option to set a charging target via the SMA Energy App gives users flexibility and convenience.

Seamless integration and future-proof technology

- Flexible cable entry options for mounting on walls or charging stands, suitable for outdoor locations (degree of protection IP54).
- Compatible with most electric car models.
- Integrated Wi-Fi/LAN for hassle-free system integration.
- Modbus interface for seamless integration with third-party solutions.
- Adaptable to future requirements thanks to ongoing enhancements.
- Supports future functions such as flexible tariffs and AC bidirectionality* via automatic over-the-air updates.

(* Future availability as a chargeable e-product, compatible with selected vehicle models and subject to final standardization)



SMA eMobility Portal* for billing

Charging processes with the SMA eCharger are easy to control and visualize with the [SMA Sunny Portal](#). The SMA eMobility Portal* allows charging processes to be billed via roaming. Energy metering will be included from hardware release 2025. This function will comply with the requirements in the law on weights and measures as well the MID to enable an internationally recognized means of billing based on consumption.

(* In preparation, available with a later software release.)

The SMA eCharger is available now in Germany, Switzerland, Austria, the Benelux countries and France.

You can find more information on our [website](#).

About SMA

As a leading global specialist in photovoltaic and storage 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 and battery inverters, holistic system solutions for PV and battery-storage systems of all power classes, intelligent energy management systems and charging solutions for electric vehicles and power-to-gas applications. Digital energy services as well as extensive services round off SMA's range. SMA inverters installed throughout the world within the last 20 years with a total output of approximately 132 GW help avoid the emission of more than 70 million tons of CO₂. 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 on the SDAX and TecDAX index.

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