

SMA America Launches the Home Energy Solution to the United States Market

New Energy Ecosystem Gives Installers and Homeowners Increased Reliability and Optimized Performance to Power the Ever-Changing Needs of US Homes

ROCKLIN, Calif. (August 2, 2023) — SMA America has launched the Home Energy Solution to the United States market. This new system includes the Sunny Boy Smart Energy (SBSE) hybrid inverter, SMA Energy Meter, optional Backup Secure, the SMA 360° app, SMA ShadeFix and the SMA Energy app.

Homeowners with the Home Energy Solution are now protected against grid instabilities and rising energy costs. At the heart is the new Sunny Boy Smart Energy hybrid inverter. This 2-in-1 hybrid inverter can be equipped with SMA's Backup Secure (previously Secure Power Supply) and provides a flexible solution that empowers homeowners to take control of their energy. With this feature, homeowners can generate solar power and power key appliances even when the grid is down.

"The new Sunny Boy Smart Energy has a visually pleasing design and new modular functionality that will allow installers to customize to the needs of the individual consumer," said Nhan Pimentel, U.S vice president of residential solutions. "The inverter is the centerpiece of a solar installation. SMA designed the Sunny Boy Smart Energy to not only be aesthetically pleasing with its modern curves, but SMA also took into consideration safety, ease of installation with the centralized lock, the SMA Easy Lock and smaller and lighter footprint."

The SMA Home Energy Solution can grow with a household's needs. Installers can start with a PV-only system and add storage later. The DC-coupled battery design with 200% DC to AC oversizing capabilities, along with three MPPTs, empowers designers and installers with unmatched flexibility

This future-proof solution only requires adding PV sizing to the main service panel. Batteries do not impact AC breaker size, making installation easier and reducing the need for costly main electrical panel upgrades. Included in the solution is an Integrated System Manager, which allows management and monitoring of up to 4 inverters, energy meter and batteries. Also included in the Sunny Boy Smart Energy hybrid inverter is SMA [ShadeFix](#), a proprietary technology that optimizes PV system energy production in every situation – especially in complex array designs and when solar panels are shaded.

For installers, the Home Energy Solution is easy to handle, install and commission, with a slim design, and single-bolt wiring access.

The intuitive SMA 360° app was built for professional solar energy installers, giving a straight-forward way to plan, commission, monitor, and service systems. The app enables a single entry of customer and consumption data, which allows for visualization of energy balances and potential savings. When you scan a QR code at installation, commissioning is simplified into a series of quick and easy steps, with the ability to confirm a successful installation instantly. Up-to-date technical data is available, and systems are able to be monitored in real-time, easing service and potential system downtimes all from a mobile device.

This SMA 360° app plus the Sunny Portal powered by ennexOS and SMA Smart Connected works together to put control and peace of mind directly into the hands of both the installer and the homeowner. Offering modular solutions for custom design and easy upgrades, the new SMA Home Energy Solutions is engineered to meet the needs of each customer today, and in the future.

The simplicity of the system was engineered for safety, certified to both Underwriters Laboratory standards and NEC 2023/2020 code in addition to featuring SMA ShadeFix, SMA ArcFix and ground fault protection.

For more information visit [SMA-america.com/SBSE](https://www.sma-america.com/SBSE)

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 up to and including operation and maintenance services for PV power plants round off SMA's range. SMA inverters with a total output of more than 120 gigawatts have been installed in more than 190 countries worldwide. Around 63 million tons of CO₂e have been avoided thanks to the PV inverter power sold by SMA over the past 20 years. This is equivalent to stopping more than €12 billion of environmental damage. SMA's multi-award-winning technology is protected by more than 1,700 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 TecDAX index and SDAX index.

Media Contact:

Trish Moratto

Patricia.Moratto[@sma-america.com](mailto:Patricia.Moratto@sma-america.com)

916-251-6418

Disclaimer

This press release serves only as information and does not constitute an offer or invitation to subscribe for, acquire, hold or sell any securities of SMA Solar Technology AG (the "Company") or any present or future subsidiary of the Company (together with the Company, the "SMA Group") nor should it form the basis of, or be relied upon in connection with, any contract to purchase or subscribe for any securities in the Company or any member of the SMA Group or commitment whatsoever. Securities may not be offered or sold in the United States of America absent registration or an exemption from registration under the U.S. Securities Act of 1933, as amended.

This press release can contain future-oriented statements. Future-oriented statements are statements which do not describe facts of the past. They also include statements about our assumptions and expectations. These statements are based on plans, estimations, and forecasts which the Managing Board of SMA Solar Technology AG (SMA or company) has available at this time. Future-oriented statements are therefore only valid on the day on which they are made. Future-oriented statements by

nature contain risks and elements of uncertainty. Various known and unknown risks, uncertainties and other factors can lead to considerable differences between the actual results, the financial position, the development or the performance of the corporation and the estimates given here. These factors include those which SMA has discussed in published reports. These reports are available on the SMA website at www.SMA.de. The company accepts no obligation whatsoever to update these future-oriented statements or to adjust them to future events or developments.