

SMA America Expands Sunny Boy Smart Energy Portfolio with Higher Power Class Options

New SBSE 9.6 kW and SBSE 11.5 kW models provide greater flexibility, enhanced backup capabilities and increased residential energy independence.

ROCKLIN, Calif. — [April 8, 2025] — SMA America has expanded its Sunny Boy Smart Energy hybrid inverter lineup with the introduction of two larger power classes, 9.6 kW and 11.5 kW, offering homeowners more flexibility and greater energy control. The expanded portfolio allows for larger solar arrays, enhanced backup capabilities and the ability to future-proof the solution for evolving grid requirements.

“With energy demands rising and grid stability becoming more uncertain, homeowners need a solution that not only provides power but also delivers control, resilience and long-term savings,” said Charles Smith, managing director of home and business solutions at SMA America. “The expanded Sunny Boy Smart Energy portfolio is designed to meet those needs, providing a future-proof, intelligent energy system that adapts to evolving grid requirements.”

Key Features and Benefits of the new Sunny Boy Smart Energy 9.6 / 11.5:

- Expanded power classes support larger PV arrays and energy-intensive applications.
- The DC coupled architecture enables both immediate energy use and storage in a single device.
- Up to 200% DC oversizing maximizes solar production and battery charging capabilities.
- Integrated support for DC-coupled storage solutions, ensuring reliable power during outages.
- SMA Backup Secure provides an affordable partial backup option that delivers up to 1,920 W of power through a dedicated secure outlet.
- SMA Backup Select is coming soon, with capabilities that are further enhanced when paired with the two new, larger power classes, offering up to 5,700 W of backup power—safely powering up to seven 120V circuits.
- Smart energy management, when paired with the SMA Energy Meter, allows homeowners to monitor consumption and production in real-time to optimize self-consumption and efficiency.
- Modern, modular design is lighter, smaller, and easier to install, with four MPPTs for added flexibility.
- Integrated system manager controls up to five inverters and one SMA Energy Meter for seamless system management.
- Simplified commissioning using the SMA 360° app streamlines installation and system configuration.
- Coming soon, a new feature will allow MPPT paralleling, providing an ideal solution for repowering legacy string inverters.

With a DC-coupled storage solution and advanced utility-interactive capabilities, the Sunny Boy Smart Energy inverter is grid-ready and built for the future. Its automatic software updates and SunSpec-

certified rapid shutdown ensure compliance with the latest grid standards while optimizing performance.

SMA remains committed to supporting installers and homeowners with industry-leading training, technical support and service. By expanding the Sunny Boy Smart Energy lineup, SMA continues to lead in residential solar and storage market, delivering innovative, sustainable and intelligent energy solutions.

For more information on Sunny Boy Smart Energy, visit [Discover the Sunny Boy Smart Energy | SMA America](#)

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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 further comprehensive services round off SMA's range. SMA solar inverters installed worldwide in the last 20 years, with a total output of around 144 GW, help avoid over 64 million tons of CO₂ emissions annually. 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.