

Press Release

SMA America

SMA Releases Most Efficient High-Frequency, Slim-Line Inverter on the Market

Sunny Boy HF-US Now Shipping

ROCKLIN, Calif., June 28, 2011—[SMA America](#) is now shipping the [Sunny Boy HF-US](#) line of high-frequency, residential solar inverters. SMA's most installer-friendly models to date, the UL-Certified Sunny Boy 2000HF-US, 2500HF-US and 3000HF-US grid-tied inverters feature a slim enclosure, reduced weight, modern graphic display and industry-leading CEC efficiencies.



Sunny Boy HF models are ideal for 2-3kW solar arrays and offer CEC-weighted efficiencies of 96.5 percent (Sunny Boy 2500HF-US and 3000HF-US) and 97 percent (Sunny Boy 2000HF-US). They measure 14 inches across and feature a nearly 45 percent reduction in weight, making them easier to handle and allowing them to be mounted in between wall studs. Sunny Boy HF inverters also contain an innovative plug-in grounding system that allows for quick field configurability for modules requiring positive grounding.

SMA Sunny Boy 3000HF-US
Photo Courtesy of SMA America

"Solar installers and system designers expressed the need for an inverter that made installation even easier, yet offered improved advantages like higher efficiency, faster field configurability for positive ground modules and wireless communication," said Jurgen Krehnke, president and general manager of SMA America. "SMA is proud to be the first to offer a solution for these challenges with the Sunny Boy HF, built specifically for the U.S. solar market."

Installation is simplified by automatic grid voltage detection and an ergonomic integrated DC disconnect. The Sunny Boy HF's wide input DC voltage ranges of 175-600 Volts (Sunny Boy 2000HF-US) and 220-600 Volts (Sunny Boy 2500HF-US and 3000HF-US) provide added system design flexibility and improved performance for smaller arrays.

Additional features include SMA's patented OptiCool™ active temperature management system, OptiTrac MPP tracking and rugged outdoor-rated enclosures, which result in unmatched power production and reliability.



Installers can utilize SMA's [Sunny Design](#) software to configure a PV system with the Sunny Boy HF. Once the project is complete, SMA's advanced data collection and communication devices, such as the [Sunny WebBox](#) data logger and [Sunny Beam](#) wireless desktop monitor, can be used to help installers track system performance. Data can be transmitted by cable or through the integrated Bluetooth® wireless communication system to the SMA [Sunny Portal](#), the world's largest Web platform for monitoring, managing and presenting photovoltaic systems. The Sunny Boy HF's large, modern graphic display also provides an easy-to-read summary of performance information.

An optional Flush Mount Kit can also be used for hanging the Sunny Boy HF in between wall studs, allowing for pre-installation in new home communities where solar is offered.

Sunny Boy HF inverters have standard 10-year warranties, which can be extended up to 20 years.

About SMA

The SMA Group, with sales of 1.9 billion euros in 2010, is the world market leader for solar inverters, a component that lies at the heart of every solar power system. Its headquarters is situated in Niestetal near Kassel and it also has 17 foreign subsidiaries situated on four continents. In 2010, the Corporate Group employed over 5,000 persons (including temporary staff). SMA produces a wide spectrum of inverter types, the optimal inverter for each type of solar module used and offers all the power classes required for solar power systems. The product portfolio includes both inverters for grid-connected solar power systems and stand-alone systems. Since 2008, the parent company SMA Solar Technology AG has been listed in the Prime Standard of the Frankfurt Securities Exchange (S92) and in the TecDAX. Over the past few years, SMA has received several awards for its outstanding performance as an employer and lately reached first place in the federal "Great Place to Work" competition.

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