



Press Release
SMA America and SMA Canada

SMA Redefines Residential Solar Market with New Transformerless Inverter

Innovative Solution Offers Groundbreaking Design, Performance and Safety Features

ROCKLIN, Calif., May 15, 2013—After much anticipation, SMA is now taking orders for its new transformerless inverters designed specifically for the North American market. SMA's [Sunny Boy 3000TL-US/4000TL-US/5000TL-US](#) inverters are an innovative residential solution featuring maximum energy production, flexible design, simple installation, and advanced communication and monitoring control. The inverter's Secure Power Supply function is also an industry first, providing daytime power in the event of a grid outage.



The transformerless design of the new Sunny Boy ensures high efficiency and reduced weight, and a simplified DC wiring concept allows the DC disconnect to be used as a wire raceway, saving labor and material. It is tested to UL 1741 and 1699B standards and has integrated [AFCI](#), meeting NEC 2011 690.11 arc fault requirements.

"The features available with this inverter are unlike any we've seen for the residential market," said Henry Dziuba, president and general manager of [SMA America](#) and president of [SMA Canada](#). "From easy installation to improved power production to extensive monitoring and control capabilities, this energy solution is taking residential inverters to a new level."

SMA Sunny Boy 3000TL-US/4000TL-US/5000TL-US inverter
Photo courtesy of SMA America and SMA Canada

One of the most notable characteristics of the Sunny Boy 3000TL-US/4000TL-US/5000TL-US is its Secure Power Supply functionality, a groundbreaking feature that addresses the needs of grid-tied system owners during power outages. Secure Power Supply makes it possible for the inverter to provide up to 1,500 W of daytime standby power in the event of a grid outage for charging laptops, cell phones and more, without the need of additional, costly batteries.



With leading CEC efficiencies, a wide input voltage and extended operating temperature ranges from -40 to 140 F, the TL-US series offers maximum power production under a variety of conditions. A higher total power output results from the inverter's shade tolerate OptiTrac™ Global Peak maximum power point (MPP) tracking algorithm, and two MPP trackers to manage multiple orientations.

It also provides easy monitoring and control features, including an optional plug-and-play [Webconnect](#) data module for easy system monitoring and direct data transmission from [Sunny Portal](#), and a large graphic display. Communications via Zigbee® is also available, laying the groundwork for integration with future home energy management systems.

The Sunny Boy 3000TL-US/4000TL-US/5000TL-US will be available through SMA's new, [recently announced North American distribution program](#). To locate an authorized SMA distributor, solar professionals can visit SMA America's website and click "[Where to Buy](#)" to learn more about each distribution partner.

About SMA

The SMA Group generated sales of €1.5 billion in 2012 and is the global market leader for solar inverters, a key component of all PV plants and, as an energy management group, offers innovative key technologies for future power supply structures. It is headquartered in Niestetal, near Kassel, Germany, and is represented internationally in 21 countries. The Group employs more than 5,000 people worldwide. SMA's broad product portfolio includes a compatible inverter for every type of module on the market and for all plant sizes. The product range includes both inverters for photovoltaic plants connected to the grid as well as inverters for off-grid systems. SMA is therefore able to provide ideal technical inverter solutions for all plant sizes and types. 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 also in the TecDAX index. In recent years, SMA has received numerous awards for excellence as an employer and achieved first place in the nationwide "Great Place to Work®" competition in 2011 and 2012. www.SMA-America.com/www.SMA-Canada.ca

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