

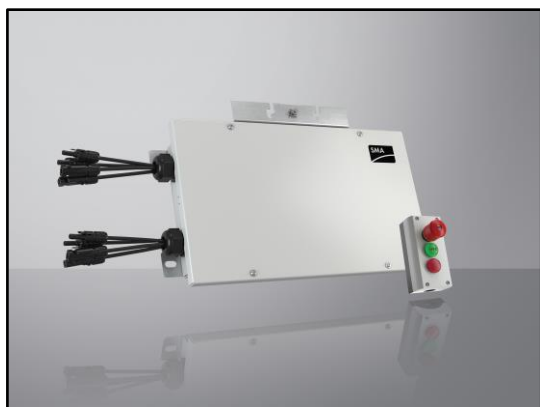


Press Release
SMA America

SMA Releases Rapid Shutdown System for Residential PV Applications

New Solution Pairs Seamlessly with Sunny Boy Inverter Line, Meets 2014 NEC 690.12 Requirements

ROCKLIN, Calif., April 19, 2016—SMA's much-anticipated [Rapid Shutdown System](#) is now available for immediate shipping to the North American residential PV market. Engineered for use with SMA's Sunny Boy inverter line with Secure Power Supply—including the new [5.0-US and 6.0-US models](#)—this simple, reliable and cost-effective solution achieves all requirements for 2014 NEC 690.12 rapid shutdown. It includes the SMA Rapid Shutdown Box and SMA Rapid Shutdown Controller.



SMA Rapid Shutdown System

Photo courtesy of SMA America

"Matching Sunny Boy inverters with the UL-listed Rapid Shutdown System creates a full-package solution, centered around SMA's best-in-class technology," said Marko Wittich, SMA executive vice president of sales for the Americas region. "It achieves compliance in areas enforcing or in the process of adopting the 2014 NEC, including Hawaii and Massachusetts."

The SMA Rapid Shutdown System is designed to seamlessly pair with the [Sunny Boy TL-US](#) and 5.0-US/6.0-US inverters with Secure Power Supply, for optimal system performance. It operates by the array's DC power and enables Secure Power Supply functionality during daytime grid outages without interfering with the inverter's AFCI, ensuring safe system operation at all times. With the SMA Rapid Shutdown Box, solar installers are also able to connect multiple strings of modules to independent inverter channels.

The most simple and reliable rapid shutdown solution for residential systems using Sunny Boy inverters, the SMA Rapid Shutdown System includes hybrid switches for disconnecting with optimal long-term reliability, allowing for thousands of cycles without degradation. Its automatic self-test upon startup ensures proper function of the Rapid Shutdown Box while pre-wired MC4 connectors and snap terminals on the inverter side facilitate faster, easier installation with reduced error risk and no extra material necessary.

The SMA Rapid Shutdown System also is a cost-effective solution that limits additional equipment and labor costs while still supporting flexible system design. The SMA Rapid Shutdown Box not only replaces the junction box, but also is slim enough to mount under the module, allowing installers to utilize the whole roof space for the modules with no visible box. Integrated inverter discharging fulfills NEC requirements while the Rapid Shutdown Controller's LED indicator lights ensure safe operation for first responders. All components adhere to the SMA standard of quality, ensuring a long lifespan and preventing replacement costs and labor down the road.

The Sunny Boy inverter line with Secure Power Supply and the Rapid Shutdown System are available through SMA's North American distribution program. To locate an SMA Authorized 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 approximately EUR 1.0 billion in 2015 and is the worldwide market leader for photovoltaic inverters, a key component of all photovoltaic systems and offers innovative key technologies for future structures of energy provision. It is headquartered in Niestetal, near Kassel, Germany, and is represented in 20 countries. The Group employs a staff of over 3,500 worldwide. SMA has a broad product portfolio that offers the suitable investor for every module type and plant size worldwide: for small roof plants, large solar parks and grid linked plans as well as island and hybrid systems. In addition, SMA offers system technology for various battery technologies and plant sizes as well as cooperating with renowned battery manufacturers and companies in the automobile industry. SMA technology is protected by some 700 patents. The product portfolio is supplemented by extensive services and the operating management of large-scale solar power plants. 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 currently the only company in the solar industry listed included in the TecDAX index. www.SMA-America.com

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Photo Caption: SMA Rapid Shutdown System

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