Press Release
SMA America

SMA Invests in Hawaiian Market with HECO-Compliant Residential and Commercial Inverters
Sunny Boy TL-US and Sunny Tripower TL-US Inverters Meet New Grid Requirements

ROCKLIN, Calif., April 23, 2015–SMA's residential and commercial inverter solutions now comply with the Hawaiian Electric Company's (HECO) new guidelines for grid interaction. The Sunny Boy TL-US with Secure Power Supply and Sunny Tripower TL-US inverter lines meet interim frequency and voltage ride-through (FVRT) and new ultra-fast transient over-voltage (TrOV2) requirements. They are now included on HECO's qualified equipment list for these specifications.

SMA's Sunny Boy TL-US with Secure Power Supply Meets New HECO Grid Requirements
Photo courtesy of SMA America

Both of SMA's most popular inverter lines have been tested to and found to meet TrOV2 requirements. Interim ride-through compliance is achieved with a simple adjustment of parameters via SMA's Sunny Explorer free software or through the SMA Cluster Controller during installation and commissioning. Later this year, SMA will release a firmware update to meet full ride-through settings.

"SMA is committed to Hawaii and its goals of renewable energy integration and grid stability," said Henry Dziuba, president and general manager of SMA America. "We are proud to offer the Hawaiian market the world's most advanced residential and commercial inverters, which now satisfy all of the state's new and existing grid requirements."

The Sunny Boy TL-US series–available in seven models from 3,000 to 7,700 watts–is equipped with Secure Power Supply functionality, which provides up to 1,500 W of daytime standby power when the grid is down for charging laptops, cell phones and more, without the need of additional, costly batteries. Its transformerless design ensures high efficiency and reduced weight, while its integrated DC AFCI functionality meets NEC arc-fault protection requirements and is certified to the UL 1699B standard. It also provides easy monitoring and control features, including a large graphic display and the optional plug-and-play Webconnect data module for easy system monitoring with direct data transmission to Sunny Portal.

With leading CEC efficiencies, a wide input voltage and extended operating temperature ranges from -40 to 140 F, the Sunny Boy TL-US with Secure Power Supply offers maximum power production under a variety of conditions. The inverter's shade-tolerant OptiTrac™ Global Peak MPP tracking algorithm and two MPP trackers provide increased energy production for complex arrays with partial shading or multiple roof orientations.

The Sunny Tripower TL-US is UL listed for up to 1,000 V DC maximum system voltage and has a peak efficiency above 98 percent. Available in 12, 15, 20 and 24 kilowatt models and also including OptiTrac Global Peak, the Sunny Tripower TL-US delivers full grid management functionality, cutting-edge communications and advanced monitoring. It is also equipped with all-pole ground fault protection and integrated AFCI for a safe, reliable solution. The Sunny Tripower TL-US offers unmatched flexibility with a wide input voltage range and two independent MPP trackers. Suitable for both 600 V DC and 1,000 V DC applications, it allows for flexible design and a lower levelized cost of energy.

The Sunny Boy TL-US with Secure Power Supply and Sunny Tripower TL-US are available through SMA's North American distribution program. To locate an SMA Authorized Distributor, visit SMA America's website and click "Where to Buy."

About SMA

The SMA Group, with sales of more than €800 million in 2014, is the global market leader for solar inverters, a key component of all PV plants and offers innovative key technologies for future power supply structures. It is headquartered in Niestetal, near Kassel, Germany, and is represented 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 PV system sizes. The repeatedly awarded product range includes system technologies for grid-connected photovoltaic systems as well as off-grid and hybrid systems. The technology is protected by more than 550 patents. The range of services is supplemented by comprehensive services and operational management of large-scale PV 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 also in the TecDAX index. www.SMA-America.com

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Photo Caption: SMA's Sunny Boy TL-US with Secure Power Supply Meets New HECO Grid Requirements
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