



SMA America and Sollega Partner to Debut the First UL 3741 PVHCS Certified Commercial and Industrial Rooftop PV System in Compliance with NEC 690.12

Commercial Racking Manufacturer and Industry-Leading Inverter Manufacturer Provide Solution Without Module-Level Power Electronics or Switches

ROCKLIN, CALIF., — June 7, 2022 - SMA America and Sollega have joined forces to certify the Sollega FastRack 510 with SMA Sunny Tripower CORE1 inverters as the first system to market that complies with Underwriters Laboratory (UL) 3741 Photovoltaic Hazard Control Systems (PVHCS) and National Electric Code (NEC) 690.12 rapid shutdown of PV Systems on buildings without module-level power electronics (MLPE) or switches.

"The FastRack 510 mounting system is made of non-conductive glass-reinforced nylon polymer material, which reduces shock hazard risk to firefighters during emergency operations," said Elie Rothschild, chief executive officer of Sollega. "Wire management is also critical in the overall safety of the PV array. Nylon wire clips work on both our racking and module flanges to secure PV wires with the necessary air gap to ensure wires do not come in contact with the aluminum module frames," said Rothschild.

Testing verified that firefighter safety was maintained up to 1,000 volts within the array boundary. This finding eliminates the need for module-level shutdown switches within the array boundary. Compliance for conductors outside the array boundary is achieved by installing the SMA CORE1 inverter within the 1-foot array boundary. Together, the racking and inverter combination offers significant cost savings, faster installation and better reliability versus traditional module-level rapid shutdown solutions on the market.

"We are thrilled to partner with Sollega to bring this solution to market," said Brett Henning, commercial product manager with SMA America. "When both code compliance and enhanced safety are possible without the need for module-level devices, customers will save on balance-of-system costs and installation labor all around."

The Sunny Tripower CORE1 offers an intelligent IV curve diagnostic, advanced string monitoring and SMA Smart Connected proactive monitoring and service support. As the world's first free-standing PV inverter for use with commercial rooftops, carports, ground mount and repowering legacy solar projects, the Sunny Tripower CORE1 enables logistical, labor and service cost reductions.

For more information, visit:

<https://www.sma-america.com/products/solarinverters/sunny-tripower-core1.html>



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 extensive services up to and including operation and maintenance services for PV power plants round off SMA's range. SMA inverters with a total output of more than 110 gigawatts have been installed in more than 190 countries worldwide. SMA's multi-award-winning technology is protected by more than 1,700 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.

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