



SolarEdge Launches Next-Gen C&I Smart Power Optimizer Series with a Multi-Layered Safety Technology at RE+ North America

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New S-Series Power Optimizers include new sensor technology for improved safety in Commercial PV

MILPITAS, Calif.--(BUSINESS WIRE)--Sep. 20, 2022-- [SolarEdge Technologies](#), Inc. ("SolarEdge") (NASDAQ: SEDG), a global leader in smart energy technology, has announced today at RE+ (booth #2416) Anaheim, California, the launch of the [S-Series, new range of smart Power Optimizers](#). Now available for commercial and industrial PV applications across North America, the next generation Power Optimizers adds SolarEdge Sense Connect technology to its multi-layered approach for safety.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20220920005780/en/>



The next-generation of SolarEdge Power Optimizers include new sensor technology for improved safety in commercial solar (Photo: SolarEdge)

maximize power generation while lowering the cost of energy produced by the PV system. Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, batteries, electric vehicle powertrains, and grid services solutions. SolarEdge is online at [solaredge.com](https://www.solaredge.com)

SolarEdge Sense Connect is an industry-first technology that detects temperature increase at the connector level to prevent potential electric arcs. By detecting and reacting to abnormal connector overheating that may happen due to faulty installations or connectors, SolarEdge Sense Connect technology stops power flow before an arc can occur. With module-level site visibility, operation and maintenance (O&M) providers are informed of the pinpointed location of the connector, so repairs can be conducted swiftly and easily. This helps maximize system safety, uptime and reduce O&M costs. The SolarEdge Sense Connect technology joins an expanded range of safety features, among them the SafeDC™ technology that is designed to enable the PV systems' DC voltage to be automatically reduced to touch-safe levels (1V DC per module), in grid failures or when the inverter is shut down. Adding to these the Rapid Shutdown feature, installers can activate SafeDC at the flip of a switch, discharging the conductors to safe voltage levels within just 30 seconds.

The S-Series Power Optimizer is designed to accommodate higher power modules and bi-facial modules, which due to the rear-side module mismatch can suffer from even greater potential power loss. Providing 99.5% efficiency and supporting two high power, high input current PV modules, the S-Series lowers Levelized Cost of Energy thanks to higher yield and enables longer and more powerful strings.

In addition, the [S-Series](#) offers a simplified cable layout, allowing faster installation and reducing potential isolation faults.

"Multi-layered safety technology and ease of installation are key differentiators of our technology, alongside advances in energy efficiency and improved economics which are additional important factors for the proliferation of solar energy," states Peter Mathews, General Manager of SolarEdge North America. "We will continue to set benchmarks in industry safety by focusing on innovative solutions that bring even more reliability to the market."

About SolarEdge

SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress. SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter seeks to

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