



## APC Electronics Partners with Luminus Devices to Launch Power Semiconductor Solutions with Innovative Silicon Carbide Focus

*Bend, Oregon, and Sunnyvale, Calif., January 30 2025* [APC Electronics \(APC-E\)](#), an emerging innovator in silicon carbide (SiC) focused power semiconductor technologies has announced [Luminus Devices](#) as their exclusive worldwide sales channel and go-to-market partner. APC-E's team, led by power semiconductor veterans CEO Dr. W. Albert Gu and CTO Dumitru G. Sdrulla, have invested the past several years developing IP around unique SiC devices and gate drivers, and several of these products will be introduced to the market in 2025. APC's technologies serve to improve reliability, switching speed and energy efficiency, and enable new system architectures in diverse applications such as industrial power supplies, wind turbines, energy storage, motor driving, data centers, server farms, HVAC, electric vehicle (EV) charging, high-speed rail, and photovoltaics. APC-E and Luminus are targeting these high-power industries where the benefits of APC-E's SiC field effect transistor (FET) devices can be leveraged to help the industry meet the rapidly growing global demand for electrical power driven largely by AI datacenters and electric vehicles (EVs).

APC-E's initial product launch includes 650V SiC Schottky barrier diodes (SBDs) with remarkably low forward voltage to enhance energy savings in power supplies across a wide range of applications. Also included in the first wave of products are 1200V SiC SBDs with high surge capability and general purpose industrial SiC MOSFETs. The second half of 2025 will bring unique products such as SiC MOSFETs with high switching speeds and matched isolated gate drivers and electrically isolated packages to enable more efficient thermal system solutions.

Dr. Gu states, "we are excited to leverage the global Luminus sales and marketing team, especially their USA regional manufacturers reps and distributors to launch our new line of products and work closely with customers in helping them leverage the many advantages of our proprietary devices as the industry rises to meet the seemingly insatiable appetite for electrical power while calling for efficiency improvement as well as system size and weight reduction."

Mark Pugh, CEO of Luminus Devices, adds, "Our partnership with APC-E brings value to our customers that will expand widely in the coming years as they will see the unique, elegant solutions which APC-E has been developing. While the power grid struggles to keep up with growing demand from power-hungry AI datacenters and EVs, the APC-E product line enables new levels of efficiency to help the industry bridge gaps and reduce waste."

For more information about APC-E power semiconductor products please visit [www.luminus.com](http://www.luminus.com) or contact [apc-e@luminus.com](mailto:apc-e@luminus.com).

### About Luminus Devices

Luminus Devices develops and markets wide bandgap solutions to help customers migrate from conventional technologies to long-life & energy-efficient compound semiconductors. Combining technology originated from MIT with innovation from Silicon Valley, Luminus offers a comprehensive range of photonics solutions for global lighting markets, high-output specialty solutions for performance-driven markets including consumer displays, entertainment lighting and medical applications as well as SiC and GaN power semiconductor materials and components to help customers create robust, efficient high-power products.

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### About APC Electronics

APC-E is engaged in the research, development and manufacturing of a wide range of wide band-gap power semiconductor products. With an emphasis on high reliability and fast switching speeds, APC-E focuses on unique SiC FET devices and matching gate drivers to enable elegant high performance and cost-effective system solutions. APC-E products are engineered at their headquarters in Bend, Oregon, USA, and the APC-E team in the Philippines manages manufacturing. For more information, visit [www.apowerc2.com](http://www.apowerc2.com).