



FOR IMMEDIATE RELEASE:

Excelitas Introduces Development Series Capacitor Charging Power Supplies

New development-focused, high-voltage power platforms support rapid prototyping and early-stage laser system design



Pittsburgh, Pa., January 13, 2026 – [Excelitas®](#), a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics sectors, introduces its [Development Series Capacitor Charging Power Supplies](#), a new line of development-focused, high-voltage power platforms designed to support rapid prototyping, system evaluation and early-stage development of advanced laser and high-energy systems.

The Excelitas Development Series Capacitor Charging Power Supplies deliver flexible, platform-based high-voltage solutions that help laser system developers reduce integration complexity, mitigate technical risk and advance more efficiently through early design and evaluation cycles. Engineered specifically for development and evaluation environments, the Development Series enables close collaboration with Excelitas engineering teams and is well-suited for startups, universities and emerging laser manufacturers, as well as established OEMs evaluating next-generation system architectures.

Available in three variants—**2 kW (XLS202)**, **3 kW (XLS302)**, and **4 kW (TLX402)**—the Development Series supports a wide range of voltage and power requirements across medical, industrial and research laser applications, while providing a common foundation for future system optimization. The platform is intentionally optimized for development and evaluation, allowing system developers to fine-tune load matching and system parameters to achieve optimal efficiency, thermal performance and system protection prior to transitioning to production-scale solutions.

Key features of the Excelitas Development Series Capacitor Charging Power Supplies include:

- Compact form factor with high power conversion efficiency
- Active power factor correction (PFC) with PF > 0.99
- Comprehensive system protection, including open circuit, short circuit, arc, over-temperature, and over-voltage protection
- Low conducted and radiated EMI with high EMI/RFI immunity
- Certified to EN 60601-1 (medical) or EN 61010-1 (industrial) safety standards
- RoHS and REACH compliant

“The Development Series provides laser system developers with a stable, flexible power foundation during the earliest phases of system design,” said Steve Klibansky, High Voltage Power Product Manager at Excelitas. “By basing these chargers on proven Excelitas platforms, customers can achieve predictable power performance, reduce integration risk and progress more efficiently from prototype to production.”

Built to standardize development-stage power supplies around proven, high-volume Excelitas platforms, the Development Series provides a cost-effective and dependable foundation for innovation. It also offers broader access to Excelitas' extensive high-voltage power technology portfolio.

The new series will be commercially available beginning January 7, 2026, and will be showcased January 20 – 22, 2026 at SPIE [Photonics West 2026](#) Booth #637, San Francisco, CA. For more information, please visit: <https://www.excelitas.com/product/development-series-capacitor-charging-power-supplies>.

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About Excelitas

Excelitas is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of advanced technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide. Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence and connected devices (IoT).

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