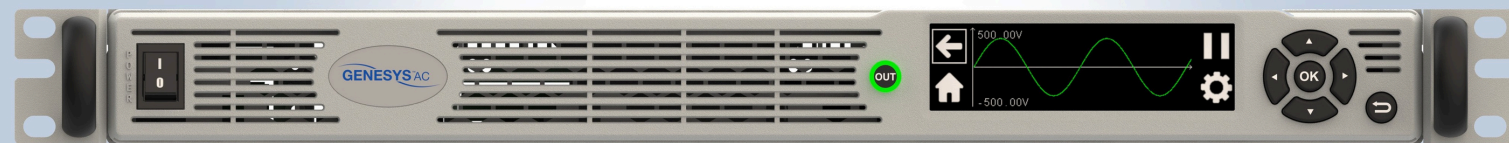


MAGAZINE

Edition 11
February 2025



GENESYS™ AC

Where Brilliance Meets Precision

Learn about the **New GENESYS™ AC** series and its powerful, flexible solutions for a variety of applications. **Page 3.**

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TDK-Lambda Makes Waves at ELECTRONICA 2024

Last ELECTRONICA exhibition was a remarkable success for TDK-Lambda. As one of the leading global platforms for electronics innovation, the event provided the perfect stage to showcase our cutting-edge power supply solutions.

Visitors to Hall A4 were greeted with an impressive display of technology and expertise, all brought to life by our dedicated team of professionals.

One of the highlights of our exhibit was the unveiling of the GENESYS™ AC series, our latest programmable AC power source. This innovative solution drew significant attention for its unmatched precision and versatility, making it a standout in the field of power supply technology.

Alongside the GENESYS™ AC, we showcased a range of advanced products that exemplify TDK-Lambda's commitment to pushing boundaries and meeting the evolving needs of the industry.

Our booth became a hub of activity, hosting engaging conversations with visitors from around the globe. These interactions provided valuable opportunities to explore new collaborations and strengthen existing partnerships. The positive energy and enthusiasm were contagious, leaving our team both inspired and eager for the opportunities ahead.

As ELECTRONICA 2024 comes to a close, we reflect on the experience with pride and gratitude. The dedication of our team and the interest shown by our visitors reaffirm TDK-Lambda's position at the forefront of innovation in the power supply sector. We are already looking forward to the next ELECTRONICA, where we aim to reach even greater heights.



Our New GENESYS™ AC. Where Brilliance Meets Precision

We are excited to introduce the GENESYS™ AC series, a highly developed AC power source designed to address the needs of a wide variety of applications across multiple industries worldwide.

The series includes two models: the GAC and GAC-PRO, each offering unique capabilities to meet diverse requirements.

- GAC: The GAC models provide a fully featured AC power source with an extensive operating range and impressive current capabilities, making them ideal for general industrial and laboratory use.
- GAC-PRO: Building on the foundation of the GAC, the GAC-PRO models bring even more advanced features, such as extended frequency range coverage and the ability to meet specialized test standards. These enhanced capabilities make the GAC-PRO perfect for more demanding applications, such as power electronics testing, research and development, and other high-performance industrial uses.

Whether you're looking for a reliable solution for standard power needs or require the flexibility to meet the most stringent test requirements, the GENESYS™ AC series delivers the performance and versatility you need.



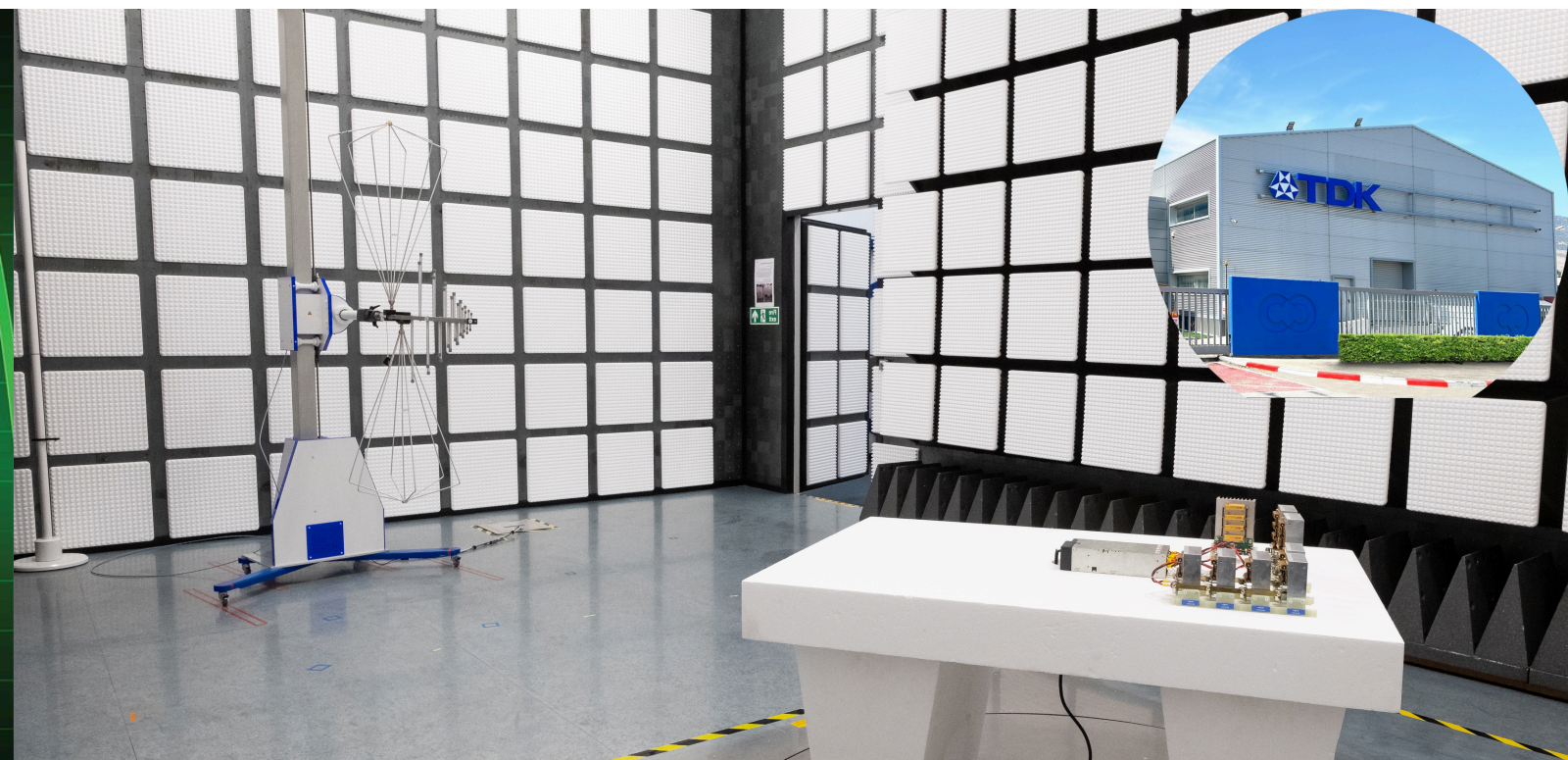
SEMI F47 - Voltage Sag Immunity

SEMI F47 – Voltage Sag Immunity: Why It Matters

Semiconductor manufacturing relies on highly sensitive equipment, where even minor voltage sags can disrupt production and lead to costly downtime.

The SEMI F47 standard ensures a baseline of voltage sag immunity for such critical processes, saving manufacturers millions by preventing shutdowns.

TDK-Lambda offers a wide range of SEMI F47-compliant power supplies, including the HWS, SWS, RWS, GXE, QM, VEGA, MU, CUS, and HFE series. Tested by specialized labs, these power supplies meet the highest standards for reliability.



Ensuring Reliability: EMC Testing Lab in Karmiel

As electronic applications grow, so do the challenges of maintaining **electromagnetic compatibility (EMC)**.

Ensuring stable, interference-free operation is more critical than ever to prevent malfunctions, minimize downtime, and enhance user satisfaction.

At TDK-Lambda Israel, our EMC testing lab in Karmiel is a key part of our operations, equipped with state-of-the-art measurement systems, it supports our **R&D development**, ensuring compliance with the highest industry standards, with a team of highly trained specialists, the lab conducts comprehensive testing under real-world conditions. By adhering to international EMC standards, we ensure products operate reliably even in challenging environments.

Through ongoing investment in technology and expertise, TDK-Lambda Israel remains committed to delivering innovative, high-quality engineering solutions.

HQA series



HQA Series: Reliable DC-DC Converters for Defense Applications in Extreme Conditions

The HQA series of encapsulated DC-DC converters are designed to meet the rigorous demands of defense and aerospace applications. With ruggedized quarter-brick packaging, these converters provide 85W and 120W output power while operating efficiently (up to 92%) within a 9V to 40V or 18V to 40V input range. Their robust design ensures stable performance and high reliability in mission-critical systems.

Comprehensive Power Protection for Defense Applications

Beyond operating in extreme environments, defense power systems must be resilient to electrical disturbances. The HQA series, combined with the FQA and FQB filter series, provides a complete solution for compliance with military standards, protecting against EMI interference, voltage spikes, and transient drops.

These converters with FQA/B filters meet key military standards, including:

- ✓ MIL-STD-461 – Electromagnetic interference (EMI) compliance
- ✓ MIL-STD-1275 – Vehicle power system protection
- ✓ MIL-STD-704 – Aircraft electrical system compatibility

With these protections, the HQA series ensures continuous and stable operation in demanding military and aerospace applications, from secure communications to tactical equipment.



TDK-Lambda Israel Hosts First Programmable Sales Experts Training Conference in Munich

TDK-Lambda Israel recently hosted its first-ever Programmable Sales Experts Training Conference in Munich, gathering TDK-Lambda sales representatives from 10 different countries around the world.

The conference was a fantastic opportunity for our team to dive into the latest innovations in programmable power supplies, including the newly launched GENESYS™ AC series. The focus was on providing our customers with the leading products on the market, backed by the highest levels of service and quality.

A huge thank you to everyone who participated, and we look forward to continuing our progress with the next meetings. The future is bright, and we're excited to keep bringing the best to our customers!



Transforming Support with Our Enhanced Repair Department

At a time when reliability and confidence are crucial in today's unpredictable market, we've taken bold steps to redefine our after-sales service.

- **Expanded Repairs Team:** Added skilled professionals to provide faster and more reliable service.
- **Streamlined Workflows:** Improved efficiency and coordination within the department to better meet customer needs.
- **Redefined After-Sales Support:** Focused on ensuring reliability and long-term peace of mind for our customers.

These changes reflect our commitment to providing ongoing support and stability. When you purchase our power supplies, you're not just getting a product—you're securing the best possible service.

100 %
renewable energy
at all TDK-Lambda manufacturing sites



TDK-Lambda Achieves 100% Renewable Energy Sourcing Across Global Production Sites

Since January 2024, TDK-Lambda Corporation has successfully transitioned all of its production sites to 100% renewable energy.

This achievement spans seven production sites across six countries, marking a significant milestone in our environmental commitment.

Our next goal: to eliminate carbon emissions and switch all electricity consumption to renewable sources by 2050. A special mention goes to our technical center in Nagaoka, Japan, which has been fully powered by renewable energy since July 2021.

Our product safety approvals



Ensuring Safety and Reliability with TDK-Lambda Products

At TDK-Lambda, we are deeply committed to ensuring the safety, reliability, and exceptional performance of our products.

Our dedication to quality is evident in the extensive safety approvals that span our entire product portfolio.

Each product undergoes rigorous testing and certification processes, adhering to the industry's highest safety and performance standards.

This meticulous attention to detail ensures that our customers receive solutions tailored to meet their operational needs with absolute confidence. With TDK-Lambda, you can trust in products designed to prioritize safety, efficiency, and peace of mind.

HWS3000G 3000W OUTPUT WITH PROGRAMMABLE VOLTAGES



Introducing the HWS3000G AC-DC Power Supply: Robust and Efficient for Industrial Applications

The HWS3000G and HWS3000GT AC-DC power supplies are designed for high-performance in demanding environments.

With the ability to deliver 1,500W at low line voltage and up to 3,000W at high line, these power supplies provide consistent and reliable power.

They also offer programmable output voltages ranging from 24V to 130V, making them versatile for a range of industrial applications.

Additionally, their RS485 interface with MODBus protocol ensures seamless integration and communication for advanced control systems.

The GSPS Series



GSPS High Power Systems: Powering High-Voltage, High-Watt Applications

Built on the industry-leading GENESYS+ platform, the **GSPS series delivers up to 90kW** of programmable power in a 19-inch, 20U rack, offering a compact yet powerful solution for high-demand applications.

Designed for EV battery testing, aerospace, medical imaging, semiconductor processing, and high-power magnet applications, GSPS supports output ranges from 10V/4,500A to 1,500V/60A, ensuring precision and stability under extreme conditions.

With multiple control interfaces, built-in safety features, and flexible voltage/current operation modes, GSPS is engineered for versatility, reliability, and seamless integration into mission-critical environments.

Join Our Team!

Are you looking for an opportunity to work in a global company with the heart and warmth of a family?

At TDK-Lambda, we're always searching for talented individuals to join our growing team, whether you're an engineer, a production expert, or looking for other exciting roles, we have opportunities waiting for you.

Become part of a company where innovation meets collaboration, and every employee makes an impact.

For more information and to send your CV: HR@tdk-lambda.co.il

We'd love to hear from you!

TDK-Lambda Service Charter

We, the sales team of TDK-Lambda Israel, are committed to providing fast, helpful, and professional service while adhering to the following core principles

Transparency and Simplicity

- Providing up-to-date and accessible information across all channels: customer portal, phone, emails, and face-to-face meetings.
- Customizing processes and logistical needs for each client.
- Delivering high-quality, courteous, and professional service while maintaining mutual respect and partnership.

Continuous Improvement in Delivery Times

- Maintaining safety stock based on customer's forecasts and commitment capabilities.
- Meeting promised delivery dates and striving to improve delivery times.

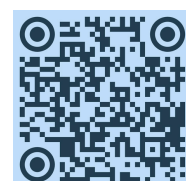
Quick Response to Customers

- Initial response within one business day.
- Close monitoring and regular updates throughout the delivery process.

Professionalism and Expertise

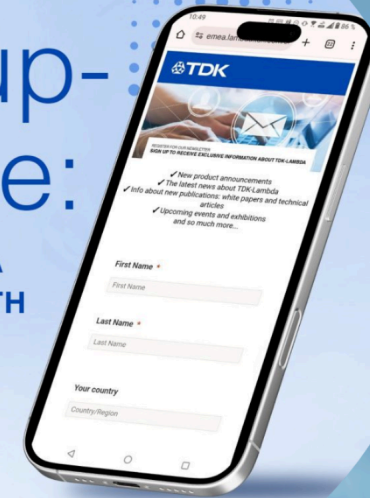
- After sale support with repair services.
- Expertise in production and logistics processes.
- Continuous improvement of the team's professional skills.

Customer Portal



Stay up-to-date:

THE TDK-LAMBDA NEWSLETTER WITH TECH INSIGHTS!

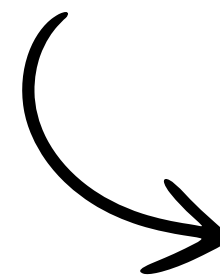


Stay Updated with Our Newsletter

Our newsletter keeps you informed about the latest from TDK-Lambda, including:

- New product announcements
- Recent news and updates
- White papers and technical articles
- Upcoming events and trade fairs

Scan that QR to stay connected with the latest advancements and industry insights by signing up today!



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