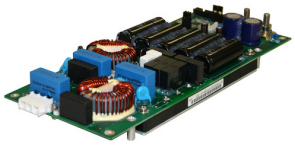
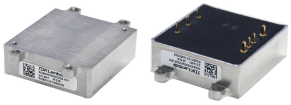
WATTS UP

TDK·Lambda





Rapid Power Solutions for Quick Time-to-Market

Engineering projects often demand rapid development cycles requiring engineers to work at blazing speeds to achieve fast engineering project development. Blazing speed and limited engineering resources can lead to overlooked specifications and testing, potentially compromising the consideration of end environments or product life cycles. At TDK Lambda, we recognize the critical importance of accelerating your product development to production. Our extensive range of AC/DC and DC/DC power supplies, along with EMI filters, serves as essential components for your power solutions. By utilizing proven and tested topologies, our power solutions help mitigate technical risks, thereby reducing both development costs and time to market. With a focus on ease of system integration, many of our board-mounted bricks are designed to enhance your engineering efficiency, ensuring a smoother transition to market readiness.

Advantages of Conduction-Cooled Power Supplies

Most mid- to high-power supplies use fans to help dissipate the internal heat that is generated as a result of imperfect AC to DC conversion efficiencies. Since fans are electromechanical devices, they reduce the system's MTBF and add to the required maintenance expenses … The attached photo below shows TDK-Lambda's new CPFE1000F series, which are conduction-cooled, 1,000 watt AC-DC power supplies. All heat is conducted to the supply's aluminum plate, which is designed to easily mount to a metal enclosure or cold plate for cooling ….. **Read full Blog Here**

Choosing a power supply for reliable operation in dirty environments

TDK-Lambda's power supplies are frequently used in industrial applications and many times subjected to dirty environments; by this I mean dust, dirt and condensation. Excessive amounts of dirt can cause premature failures and the power supply's end user will often request failure analysis due to lost production …. **Read full Blog Here**

How to Extend the run Time on Battery Powered Equipment

Since the late 20th century, our electronic devices have become increasingly portable. The ability to cut the cord and take the power of technology with us wherever we go (or even places we don't go) is undeniably one of the greatest technological advances of all time …. **Read full Blog Technical Article Here**

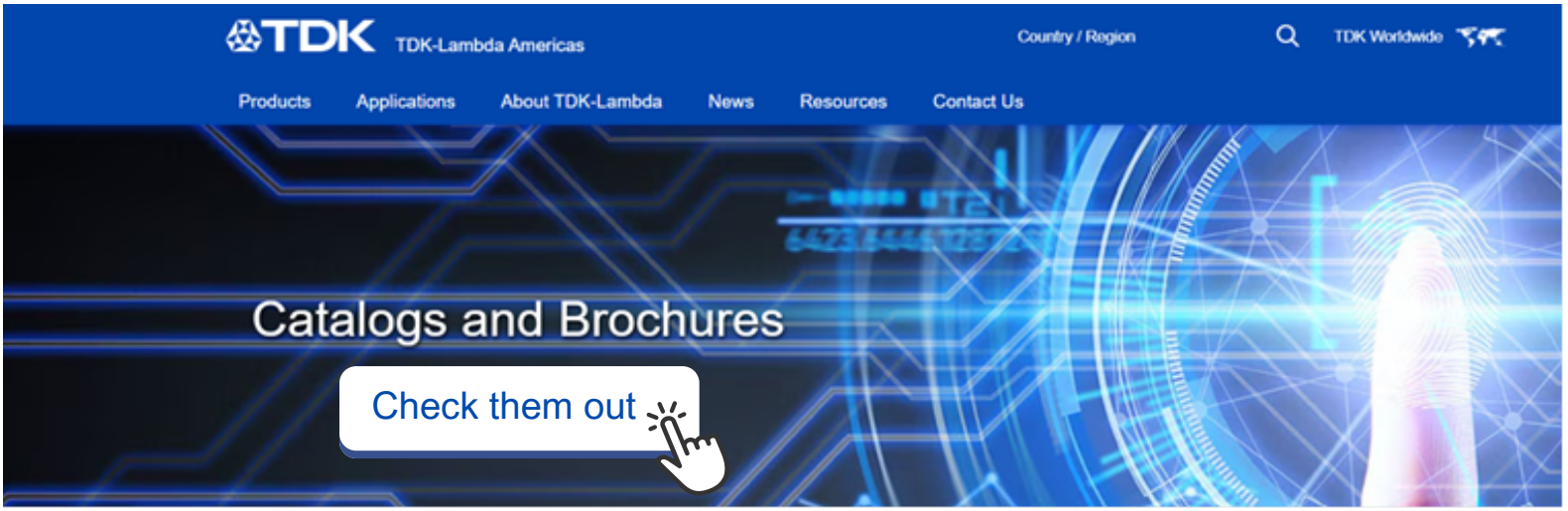
Our innovative products offer various unique features:

- **Extended Battery Run Time:** Enhancing battery life for critical applications.
- **Rugged Environment Operation:** Designed to withstand harsh conditions.
- **High Efficiency:** Achieving up to 98% efficiency for optimal performance.
- **Lightweight Airborne Solutions**: Ideal for drones, aviation and aerospace applications.
- **Versatile Cooling Options:** Including forced air, conduction, and convection cooling solutions.
- **Cold start @ -40C degrees, with full specification compliance after XX minutes.**
- **Design to meet Mil-Std-461/462,** where applicable.
- **Design to meet Mil-Std-704,** where applicable.
- **Design to meet Mil-Std-810 for shock and vibration** where applicable
- **Design to meet Mil-Std-1399**, where applicable.
- **Mil-Std-1275, DEF-STD 61-5** where applicable

We also offer a complete portfolio of AC/DC and DC/DC board-mounted solutions in our brochure **here.**

Contact Us

Reach out to TDK Lambda for expert technical support and guidance in designing power solutions tailored to your needs. We are here to assist you every step of the way.



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Knowledge is power, power is TDK-Lambda!