

AirBorn Custom Power Supplies >

Supporting a variety of application-specific embedded systems, AirBorn Custom Power Supplies deliver durable and reliable power for aerospace, defense and space applications subject to extreme temperatures, high altitudes, severe shock and high vibration. A collaborative development approach and a wide range of available options help optimize performance, streamline integration, ensure compliance and shorten development timelines.



ADVANTAGES AND FEATURES

Streamlines development cycles and accelerates time to market

End-to-end collaborative engineering support augments the customer's design team from concept to production, optimizing the entire system for reliability, thermal management and performance.

Complies with global standards

Power supplies are available that reduce validation and compliance requirements by meeting standards such as MIL-STD-461, -704, -810, -1275 and -1399; MIL-DTL-901; RTCA DO-160; EN2282; DEF Stan 61-5; and more.

Supports low- and high-power requirements

Designs are available for 30 to 300,000W, offering power solutions for a wide variety of embedded systems.

Enhances reliability, predictive maintenance and advanced control capabilities

In-house firmware development supports integration and communication with controllers and external systems via active fault and status logging, field-upgradable firmware and real-time system monitoring.

Enables seamless integration with a diverse array of electronics

Support is available for multiple protocols, including Ethernet, CAN, SPI and I2C, streamlining system integration and shortening time to market.

Delivers exceptional reliability for harsh environments

AirBorn Custom Power Supplies meet stringent shock, vibration, temperature and environmental standards, offering high power density, low noise and efficient thermal management performance.

Minimizes space requirements

With up to 50% greater efficiency and an 80% smaller footprint compared to legacy linear power supplies, these precision power solutions offer drop-in retrofit and upgrade capability for space- and weight-constrained systems.

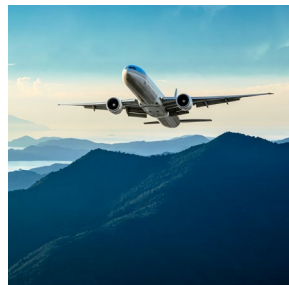
MARKETS AND APPLICATIONS

Aerospace

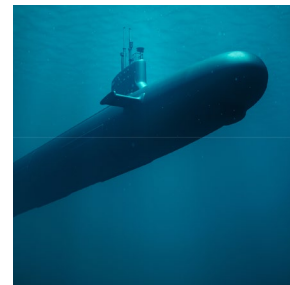
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Unmanned aerial vehicles

Defense

Ground vehicles
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Submarines



Commercial Aircraft



Submarines



Ground Vehicles

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