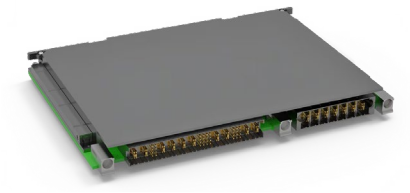
DATASHEET

AirBorn VPX Power Supplies ›



Delivering rugged, high-reliability power for the most demanding aerospace, defense and industrial applications, AirBorn VPX Power Supplies are designed for power output of >94% efficiency in extreme environments. Compact 1,000W 3U and high-capacity 2,300+W 6U versions are fully aligned with sensor open systems architecture (SOSA) and comply with OpenVPX (VITA 46) and VITA 62 standards, enabling seamless integration and future scalability in an easily configured, standard solution that avoids the need for external filters. These power supplies are optimized for size, weight, power and cost (SWaP-C) and are engineered to withstand vibration, shock, electromagnetic interference (EMI) and extreme temperatures.

ADVANTAGES AND FEATURES

Supports modular open systems architecture and aligns with leading industry standards

AirBorn VPX Power Supplies are SOSA- and OpenVPX (VITA 46/VITA 62)-compliant. This reduces integration hurdles across multiple-vendor systems, improves interoperability and upgradeability, streamlines technology refreshes and supports long-term platform scalability.

Meets EMI requirements without bulky or costly external filters

The clean DC power output is compliant with MIL-STD-461 CE101/ CE102 standards and helps reduce system size and cost by avoiding the need for external filters.

Optimizes SWaP-C for space- and weight-constrained applications

Versatile and configurable options meet a wide range of platform needs, with compact 1,000W 3U SWaP-C versions as well as high-capacity 2,300+W 6U versions suited for high-performance systems. Efficiency over 94% enhances performance, while support for parallel operation enables system redundancy or increased power.

Simplifies system management

These VITA 46.11-compliant, rugged power supplies feature onboard management for monitoring, diagnostics and control.

Delivers rugged, high-reliability performance in extreme environments

These MIL-STD-810- and MIL-STD-461-compliant power supplies feature a robust, durable design that resists shock, vibration, extreme temperatures and EMI, reducing downtime and maintaining reliable system power in a variety of situations. Conduction, air and liquid cooling options help manage heat and ensure stable operation.

MARKETS AND APPLICATIONS

Aerospace

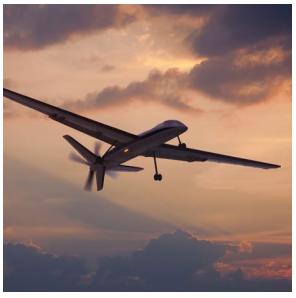
Commercial aircraft
Helicopters

Defense

Fighter jets
Military ground vehicles
Naval ships
Unmanned aerial vehicles (UAVs)

Helicopters

Fighter Jets



UAVs

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