Powering 'Always-On AI': A Breakthrough in Battery Architecture

New battery designs are meeting the continuous power demands of high-performance AI in critical sectors.

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THE DATA

Higher performance, longer life, and greater efficiency

A Battery Advancement

Addionics' 'Autonomous Architecture™' is engineered for the demanding, continuous power requirements of 'Always-On AI' systems.

This breakthrough in battery technology is fundamentally critical for advancing AI in commercial space and aviation, where high-performance AI necessitates a constant and substantial power supply. These advancements in energy density and reliability are paramount for operations in challenging environments.

Source: VentureBeat · Published July 09, 2026

01

Enabling Relentless AI Operations in Extreme Environments

The development of 'Always-On AI' battery solutions ensures uninterrupted power for sophisticated AI in demanding settings like space and aviation. This consistency is vital for real-time processing and autonomous functions where power failures are not an option.

02

Unlocking Enhanced AI Capabilities and Mission Durations

Advanced battery architecture supports more powerful onboard AI computations and extends mission durations significantly. This allows for the deployment of more sophisticated, self-reliant AI applications, pushing the boundaries of what is possible in aerospace and defense.

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