

ESS AC-Coupled Storage Revolutionizes Data Center Operations in Texas

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Why Texas Data Centers Need Resilient Energy Solutions

Imagine trying to keep 10,000 servers humming during a Texas heatwave while the grid fluctuates like a rodeo bull. That's where Sonnen's AC-coupled storage systems become the unsung heroes of modern data infrastructure. These energy storage systems (ESS) act like digital shock absorbers, smoothing out power inconsistencies that could otherwise trigger catastrophic downtime.

The Perfect Storm: ERCOT Grid Challenges

Texas' independent grid operator (ERCOT) reported 12 critical power events in 2024 alone, with voltage sags lasting up to 8 minutes - an eternity in data center terms. Sonnen's AC-coupled architecture demonstrates 98.7% round-trip efficiency in field tests, providing seamless transitions between grid power and stored energy during these disturbances.

Instantaneous response to grid fluctuations (

Web:

<https://www.onepower.pl>