



LOTWA SYSTEM

Automated Energy Storage Containers for Data Centers





Overview

Should data center owners adopt battery energy storage systems?

Data center owners aspire to maintain resiliency, mitigate energy costs, be sustainable, monetize underutilized assets, and reduce reliance on diesel generators. This creates valid use cases for the adoption of battery energy storage systems (BESS).

What is the future of data center energy storage?

The data center energy storage landscape is rapidly evolving, shaped by shifting priorities, emerging technologies, and growing AI demands. Industry professionals cite power availability, cybersecurity and data privacy, sustainability, cooling, and AI as the biggest challenges of the next decade.

Why do data centers need utility-scale batteries?

Utility-scale batteries enable data centers to deploy a range of energy strategies, from speeding up interconnection timelines to managing seamless power source transitions and ensuring power quality as onsite energy portfolios evolve.

What is a battery storage project?

Battery storage projects have a smaller footprint than other energy resources, making for higher energy density and more siting flexibility. Modular battery units are then delivered in blocks, minimizing onsite labor and enabling phased construction alongside expanding data center campuses.



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