

## Lead Acid Battery Energy Storage Systems

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### Why Lead Acid Batteries Still Matter in 2023

You might've heard whispers that lead acid battery energy storage systems are being phased out. But hold on - global sales actually increased 7.3% last quarter according to Interact Analysis. So why does this 165-year-old technology keep defying predictions?

Well, here's the thing: While lithium-ion gets all the headlines, lead acid still powers 85% of UPS systems in data centers. Telecom towers in rural India? They're switching to hybrid systems using advanced VRLA (valve-regulated lead acid) batteries. Turns out reliability trumps hype when the grid fails during monsoons.

### The Cycle Life Paradox

Let's address the elephant in the room. "But lithium lasts longer!" I hear you say. True - lithium offers 3,000+ cycles versus lead acid's 300-800. However, in backup power scenarios requiring

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