

AC-Coupled Energy Storage Systems: The IP65-Rated Lifeline Hospitals Can't Ignore

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When the Lights Go Out: Why Hospitals Need Smarter Backup

hospitals aren't just buildings; they're 24/7 life-support machines. When Hurricane Fiona knocked out power to San Juan Medical Center for 72 hours in 2022, their AC-coupled energy storage system with IP65 rating became the difference between chaos and continuity. This isn't just about keeping lights on - it's about maintaining MRI machines, ventilators, and vaccine refrigerators when the grid fails.

The Naked Truth About Hospital Power Challenges

47% of US hospitals experience ≥ 1 power outage annually (ASHE 2023 report)

Pharmacy refrigerators can spoil \$250k+ in meds in 8 outage hours

Surgical suites require

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