LG Energy Solution RESU AC-Coupled Storage for Hospital Backup in China

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Powering Critical Healthcare Infrastructure with Smart Energy Solutions

When a Beijing hospital's emergency room lights stayed on during a city-wide blackout last winter, few realized the silent guardian responsible - LG Energy Solution's RESU AC-Coupled Storage system. This incident highlights how advanced battery technology is redefining healthcare infrastructure resilience in China.

Why Hospitals Need Advanced Energy Storage

- Life-support systems dependency: 87% of ICU equipment requires uninterrupted power
- Vaccine storage demands: COVID-19 mRNA vaccines require -70?C refrigeration
- Emergency response capacity: Operating theaters consume 3-5x normal power during crises

RESU AC-Coupled Storage System Breakdown

LG's modular solution combines:

- High-density NMC lithium-ion battery packs
- Smart thermal management systems
- Grid-parallel synchronization technology

Case Study: Shanghai Renji Hospital Implementation

Parameter	Specification
Backup Duration	72 hours critical load coverage
Response Time	

Web: https://munhlatechnologies.co.za

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