

# 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://onepower.pl>