

# Pylontech ESS DC-Coupled Storage Powers Hospital Backup Systems Across China

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### Why China's Hospitals Are Betting on DC-Coupled Energy Storage

a cardiac surgeon in Shanghai mid-operation when the grid fails. This exact scenario is why 78% of Chinese tertiary hospitals have upgraded their backup power systems since 2022, with Pylontech's DC-coupled energy storage systems (ESS) emerging as the dark horse solution. Unlike traditional AC-coupled setups that dance to the grid's unstable rhythm, these DC systems operate like a precision-trained ballet company - always in sync, never missing a beat.

### The Naked Truth About Hospital Power Needs

Chinese medical facilities face a perfect storm of challenges:

- Frequent voltage sags (32 incidents/month average in Tier 1 cities)

- MRI machines gulping 30kW/hour - equivalent to powering 300 LED bulbs

- Ventilators requiring

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