

PJM Energy Storage Capacity: Powering the Grid of Tomorrow

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Why PJM's Battery Boom Matters to Your Morning Coffee

Imagine trying to power New York City's Times Square ball drop using only solar panels at midnight. That's essentially the challenge PJM Interconnection faces daily in managing energy storage capacity across 13 states and 65 million people. As America's largest grid operator, PJM's 65 GW of installed storage capacity could charge 1.3 billion smartphone simultaneously - enough for every person in Europe and North America combined.

The Anatomy of PJM's Storage Landscape

- Lithium-ion batteries now provide 98% of new storage installations
- Pumped hydro storage still delivers 22 GW of "water battery" capacity
- Flywheel systems respond to frequency changes in

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