



PSP Energy Storage: The Giant Battery Hidden in Plain Sight

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Ever wonder how we can store the equivalent of a small lake's worth of energy? Meet PSP energy storage - the unsung hero of grid stability that's been quietly powering our world since 1907. While lithium-ion batteries hog the spotlight, this 116-year-old technology currently stores 94% of the world's energy storage capacity. Let's dive into why utilities are still betting big on pumped storage hydropower in our renewable energy revolution.

How PSP Energy Storage Works (And Why It's Like a Water Elevator)

Imagine two swimming pools stacked vertically. During off-peak hours, PSP plants:

- Pump water uphill using cheap electricity
- Store it in an upper reservoir (nature's battery)
- Release it through turbines during peak demand

The magic happens in the 80% round-trip efficiency - better than your smartphone charger! Recent projects like China's Fengning Plant (3.6GW capacity) can power 3 million homes for 7 hours straight.

The Grid Stabilizer You Never Knew You Needed

While wind turbines nap during calm days and solar panels take nights off, PSP energy storage plays DJ for the grid:

- Responds to demand spikes in

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