

Title: New energy storage for long time

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Long Duration Energy Storage (LDES) provides flexibility and reliability in a future decarbonized power system. A variety of mature and nascent LDES technologies hold promise for grid-scale ...

From iron-air batteries to molten salt storage, a new wave of energy storage innovation is unlocking long-duration, low-cost resilience for tomorrow's grid.

Long-duration energy storage gets the spotlight in a new Energy Storage Research Alliance featuring PNNL innovations, like a molecular digital twin and advanced instrumentation.

But longer-term forms of storage are urgently needed to increase the efficiency of a renewable-heavy grid. Here are some of the main options for long duration energy storage ...

Now several companies say they have developed cheaper technologies, including flow batteries and metal-air batteries, that promise to unlock long-duration energy storage.

"A new battery technology has been developed that delivers significantly higher energy storage--enough to alleviate EV range concerns--while lowering the risk of thermal ...

A new long duration energy storage system that deploys molten tin for heat transfer has received \$20 million in Series A Plus funding.

These innovative CO2 batteries from Energy Dome promise long-duration energy storage for the grid, and reliable 24/7 clean power for data centers.

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