

# Energy storage is the key to the new energy track

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**48.0V or 51.2V**



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### [U.S. energy storage sets new record with 5.6 GW installed in Q2 2025](#)

"Despite regulatory uncertainty, the drivers for energy storage are strong and the industry is on track to produce enough grid batteries in American factories to supply 100% of domestic

### **The coolest new energy storage technologies**

Renewable energy needs backup storage. From rust to sand to gravity, new techniques are making it happen.



### [Energy storage important to creating affordable, reliable, deeply](#)

As the report details, energy storage is a key component in making renewable energy sources, like wind and solar, financially and logistically viable at the scales needed to decarbonize

### [How NREL's Research in Battery Energy Storage Is Helping Advance](#)

The NREL Storage Futures Study (SFS), conducted under the U.S. Department of Energy's (DOE's) Energy Storage Grand Challenge, analyzed how energy storage could be crucial to



**Storage is the key to the renewable**



## energy revolution

As renewable energy capacity grows, we must identify and expand better ways of storing this energy, to avoid waste and deal with demand spikes. Utility companies and other providers are

## Global Energy Storage Boom: Three Things to Know

Global energy storage additions are on track to set another record in 2025 with the two largest markets - China and US - overcoming adverse policy shifts and tariff turmoil.



## The Future of Energy Storage: 2026 and Beyond

Explore the future of energy storage technologies beyond lithium-ion. Discover how new battery and storage tech are shaping a clean, renewable energy grid in 2026.

## Energy storage and clean energy transitions

Our discussion aims at improving the understanding of energy storage deployment that has the potential to accelerate clean energy transitions.



## [The Future of Energy Storage: Five Key Insights on Battery Innovation](#)

Breakthroughs in battery technology are transforming the global energy landscape, fueling the transition to clean energy and reshaping industries from transportation to utilities.

## [10 cutting-edge innovations redefining energy storage solutions](#)

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.



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