

# New battery technology 2023



GEL Battery



Lithium Battery



Container storage system



Power Battery



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### [Toyota unveils sweeping plans for new battery tech, EV innovation](#)

TOKYO, June 13 (Reuters) - Toyota (7203.T) will introduce high-performance, solid-state batteries and other technologies to improve the driving range and cut costs of future electric vehicles



### [Executive summary - Batteries and Secure Energy Transitions -](#)

Battery storage in the power sector was the fastest growing energy technology in 2023 that was commercially available, with deployment more than doubling year-on-year.

## 9 New Battery Technologies to Watch

Summary: From solid-state to graphene, new battery technologies



## Five Trends To Watch: What's Next in Battery Technology

Explore the latest battery technology trends shaping the future of electrification and energy storage across various sectors.



## 9 New Battery Technologies to Watch



## What's next for batteries in 2023 , MIT Technology Review

Some dramatically different approaches to EV batteries could see progress in 2023, though they will likely take longer to make a commercial impact. One advance to keep an eye on this

Summary: From solid-state to graphene, new battery technologies are emerging to rival lithium-ion, promising safer materials, faster charging, lower costs and longer lifespans for devices



## [New battery technology could lead to safer, high-energy electric](#)

Researchers studying how lithium batteries fail have developed a new technology that could enable next-generation electric vehicles (EVs) and other devices that are less prone to battery

## Next-gen battery tech: Reimagining every aspect of batteries

The race is on to generate new technologies to ready the battery industry for the transition toward a future with more renewable energy.



## The twelve most promising EV battery innovations

The emergence of battery digital twins that enable AI cloud-based algorithms to evaluate trends across millions of cells is a new branch of the technology that has the potential to further

## [Solid state batteries promise to radically change EVs. But they](#)

Car companies including Stellantis, Hyundai and Volkswagen have also teamed up with firms working on solid state batteries. The technology holds the promise of batteries that are smaller



## [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.

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