

# Sodium energy storage battery costs



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### Sodium-Ion Batteries Will Gain Ground This 2026 , IMI

Suited for stationary energy storage applications Sodium-ion batteries are poised to replace lead-acid cells in combustion engines and support stationary energy storage, where safety and cost ...

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### CATL's \$19/kWh Sodium-Ion Claims Face Reality Check in \$1.82 ...

CATL's announced sodium-ion battery pricing of \$19 per kilowatt hour represents a 65% reduction from current lithium iron phosphate costs of \$55-\$70/kWh, not the 90% cost decline ...

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### Why Sodium-Ion Batteries Are Happening Now

LFP battery costs have reached their lowest costs so far. While some applications like energy storage have switched to LFP, until now sodium-ion batteries have not been produced at the ...

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## New Sodium Battery Technology Slashes Grid Storage Costs

The core finding is that the new chemistry slashes battery production costs to as low as \$10 -> 30 per kWh, representing a 70 -> 90% reduction compared to current lithium-ion cells.



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Energy storage(KWh)

**102.4kWh**

Nominal voltage(Vdc)

**512V**

Outdoor All-in-one ESS cabinet



## CATL Sodium-Ion Batteries Cuts Costs By 90% : \$10/kWh Energy

By harnessing the natural abundance of sodium, an element found in something as common as table salt, CATL has slashed energy storage costs to an unprecedented \$10 per kilowatt ...

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## Sodium-ion batteries: 10 Breakthrough Technologies 2026

And while today's sodium-ion cells are not meaningfully cheaper, costs are expected to drop as production scales. China, with its powerful EV industry, has led the early push. Battery giants



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**Sodium-ion battery cell cost could drop to \$40/kWh, says**



## IRENA

Sodium-ion batteries (SIBs) could offer a promising cost-reduction alternative to lithium-ion batteries (LIBs), according to a report from the International Renewable Energy Agency (IRENA).

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## Sodium Ion Batteries and Lithium Ion Market Outlook , Argus Media

The Chinese battery industry appears to be accelerating its development of sodium-ion batteries, which can replace lithium-ion batteries in certain applications owing to advantages such as ...



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## Sodium-ion battery cost projections and their impact on the global

This study combines a bottom-up cost modelling including future performance developments on material level for SIB with a global energy system model to obtain a comprehensive assessment of the ...

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## Sodium-Ion Batteries Reach

## U.S. Grid Storage, But Big Challenges ...

Sodium-ion cells have significantly lower energy density, limiting their use in long-range EVs. And while LFP batteries have already achieved global scale and cost leadership, sodium-ion is ...

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