



# The first sodium-ion energy storage system

Where does sodium ion come from?

The whole sodium-ion raw material supply chain may be supplied domestically or from allies, and the United States has the biggest stocks of soda ash, the mineral precursor to sodium-ion, in the world. "We see energy storage not only as an economic imperative, but also as a national security priority."

Why is China investing so much on sodium ion technology?

Energy-Storage.news has been told anecdotally that one reason China is investing so heavily on sodium-ion technology is because of fears that, long-term, it could start to be cut out of the lithium supply chain.

Why is energy storage important?

The US holds the world's largest soda ash reserves, a key sodium-ion ingredient, and the full raw material supply chain can be sourced domestically or from allied countries. "We see energy storage not only as an economic imperative, but also as a national security priority," said CEO and co-founder Landon Mossburg.

Can alternative energy storage solutions replace traditional lithium-ion batteries?

This investment underscores the growing interest in alternative energy storage solutions that can complement or replace traditional lithium-ion batteries, particularly in grid-scale applications. Peak Energy is proud to announce the inauguration of our state-of-the-art Battery Cell Engineering Center located in Broomfield, Colorado.

Do sodium ion batteries work in cold weather?

Sodium-ion batteries work well in hot or cold weather without auxiliary cooling systems. That makes them cheaper and easier to maintain, especially for utility-scale projects. They also use more abundant materials.

Are sodium ion batteries better than traditional batteries?

Sodium-ion batteries, developed with China's proprietary technology, offer higher thermal adaptability and greater raw material security. Their maximum output and response speed are reportedly three and six times greater, respectively, than traditional sodium-ion batteries.

Longtime Slashdot reader AmiMoJo shares a report from Electrek: Peak Energy shipped out its first sodium-ion battery energy storage system, and the New York-based ...

Chinese EV giant BYD has launched what it claims to be the "world's first high-performance" sodium-ion battery energy storage system (BESS) product, utilizing its ...

A U.S.-based company, Peak Energy, has launched the first grid-scale sodium-ion battery energy storage system in the United States, featuring a patent-pending passive ...



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Battery technologies beyond Li-ion batteries, especially sodium-ion batteries (SIBs), are being extensively explored with a view toward developing sustainable energy ...

Bluetti, a Chinese manufacturer of energy storage and portable power systems, has unveiled what it calls "the world's first sodium-ion portable power station". Announced at ...

Peak Energy's pilot marks a significant first step in commercializing sodium-ion battery storage in the United States and unlocks nearly 1GWh of future commercial contracts ...

DENVER, July 30, 2025 /PRNewswire/ -- Peak Energy, a U.S.-based company developing low-cost, giga-scale energy storage technology for the grid, today announced the launch and ...

A cost-effective alternative in electrochemical storage has led us to explore sustainable successors for Li-ion battery technology (LIBs). The rechargeable batteries mainly ...

Sodium-ion battery storage startup Peak Energy has announced its first shipment of its system that will be used in a shared pilot with nine utility and independent power ...

Peak Energy's passive sodium-ion battery system cuts costs, reduces fire risk, and onshores key manufacturing Peak Energy has shipped the first-ever grid-scale sodium-ion ...

This is currently the world's largest sodium-ion battery energy storage project and marks a new stage in the commercial operation of sodium-ion battery energy storage systems, ...

China Southern Power Grid (CSG) announced on May 26 the commissioning of the Baochi Energy Storage Station in Wenshan, Yunnan province -- a national pilot project ...

Chinese energy storage specialist Hithium has used its annual Eco Day event to unveil a trio of innovative products: a 6.25MWh lithium-ion battery energy storage system ...

Launch of sodium-ion battery storage systems in the United States Peak Energy has reported the launch and shipment of its sodium-ion battery energy storage system to the ...

Sineng Electric's 50 MW / 100 MWh sodium-ion battery energy storage system project in China's Hubei province is the first phase of a larger plan that will eventually reach ...

DENVER - July 30, 2025 - Peak Energy, a U.S.-based company developing low-cost, giga-scale energy storage technology for the grid, today announced the launch and shipment of its ...



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BYD Energy Storage has launched the world's first high-performance sodium-ion battery energy storage system, MC Cube - SIB ESS. It features innovative design, ultra ...

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