

## Sodium sulfur battery companies

A Sodium Sulfur (NaS) battery is a high-temperature energy storage device that uses molten sodium as the anode and molten sulfur as the cathode, separated by a solid ceramic electrolyte. Known for its high energy density, long cycle life, and efficiency, the NaS battery is ideal for grid-scale energy storage, renewable energy integration, and backup power. Operating at around 300°C, it offers large capacity and environmental benefits but requires complex thermal management due to its high operating temperature and safety concerns related to the reactivity of its materials.

The worldwide sodium sulfur battery market size was worth USD 126.84 million in 2023, and it is predicted to grow at a high revenue CAGR of 24.86% over the forecast period. The expanding need for renewable energy, the regulatory drive for energy storage, and the growing demand for reliable electricity in remote places are all driving market revenue growth.

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