

ContainerPower Energy Solutions

India Battery Energy Storage Project



Overview

Are battery energy storage systems the future of energy in India?

Harsh Shah, Managing Director, IndiGrid, said, “Battery Energy Storage Systems are central to the future of energy in India. They bridge the intermittency of renewables, reduce fossil fuel dependency, and unlock flexible, reliable power delivery.

How much battery energy storage capacity is available in India?

Between 2022 and May 2025, India auctioned approximately 12.8GWh of battery energy storage system (BESS) capacity for both hybrid and standalone applications. However, only about 219MWh of BESS capacity is reported to be operational, leaving a large pipeline of projects under construction.

Where is India's first large scale battery energy storage facility located?

This led to the establishment of India's first large scale battery energy storage (BESS) facility set up alongside a 100-megawatt (MW) solar power plant in Rajnandgaon, in India’s eastern state of Chhattisgarh.

Is India's largest battery energy storage system powered by solar energy?

In February, the Solar Energy Corporation of India (SECI) commissioned India’s largest Battery Energy Storage System (BESS), powered by solar energy.

What is a battery energy storage system?

Solar Energy Corporation of India (SECI) commissioned India’s largest Battery Energy Storage System (BESS), powered by solar energy. Battery energy storage systems (BESS) have solved a key challenge for renewable energy, addressing the fluctuating nature of sources like solar and wind.

How long will India's battery storage facility last?

The pioneering facility completed one year of operation in February 2025. It

will continue to run for the next 25 years, providing valuable insights for future efforts in battery storage, and contributing to India's efforts to install 500 GW of non-fossil fuel energy by 2030. What made this initiative a success

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