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India liquid hybrid energy storage project

Overview

Developers are tendering hybrid projects that pair solar with storage in states such as Rajasthan and Gujarat; utilities in Delhi and Bengaluru are piloting behind-the-meter batteries and distributed BESS for grid services; and plans for large hybrid renewable parks —. Developers are tendering hybrid projects that pair solar with storage in states such as Rajasthan and Gujarat; utilities in Delhi and Bengaluru are piloting behind-the-meter batteries and distributed BESS for grid services; and plans for large hybrid renewable parks —. ENGIE has been awarded its first hybrid project in India, combining 200 MW of solar PV with 100 MW / 600 MWh of battery storage. This project will enable the storage and supply of up to 6 hours of renewable energy. This milestone strengthens ENGIE's role in India's ambition for round-the-clock. By embedding storage into upcoming projects, we ease transmission stress and make renewable power dispatchable and predictable—critical as India scales RTC and FDRE projects. Policy frameworks such as the Green Energy Open Access Rules have laid strong foundations, but the next phase requires. Engie secures its first large scale hybrid project in India with 200 MW solar PV integrated with a six hour storage system, reinforcing its commitment to the country's clean energy transition. The project, with a capacity of 200 MW Solar & 100 MW / 600 MWh. India's battery energy storage system (BESS) market is witnessing explosive growth, with installations soaring from just 51 MWh in 2023 to over 341 MWh in 2024, a more than sixfold increase.

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Engie secures its first large scale hybrid project in India with 200 MW

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ENGIE Secures Its First Hybrid Solar & Storage Project in India

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Engie India eyes 7 GW of hybrid and storage-backed renewables by ...

By 2030, we aim to reach 7 GW of installed renewable capacity, with a strong focus on hybrid and storage-backed projects.

Engie Wins First Hybrid Solar & Battery Storage Project in India

French energy giant Engie wins its first hybrid solar and battery storage project in India, combining 200MW solar with a 100MW/600MWh BESS for six-hour renewable energy ...

India's RE sector shifts gears to develop hybrid, energy storage and

It is developing the world's largest renewable energy plant of 30,000 MW at Khavda in Kutch, Gujarat, across 538 sq kilometres, and a good component of the project is in the hybrid model.

How Energy Storage Became India's New Power Currency

India's Ministry of New and Renewable Energy (MNRE) and the Solar Energy Corporation of India (SECI) have increasingly shifted their focus -- launching hybrid tenders and ...

Top 7 Largest Battery Energy Storage Projects in India 2025

Explore the largest BESS projects in India in 2025, including NTPC's 4,000 MWh Thermal BESS, ReNew Andhra Pradesh Hybrid BESS, and JSW Energy's Kerala and Rajasthan storage projects.

ENGIE Secures its First large-scale Hybrid

project with 200 MW Solar ...

In an increasingly unpredictable global energy landscape, enabling firm, clean power isn't just a technical breakthrough, it's a strategic imperative. By integrating long-duration storage with ...

IFC and IndiGrid Partner to Build India's Largest Utility-Scale Energy

With IFC's support, we are proud to lead the deployment of one of India's first and largest BESS assets in Gujarat. This project represents a strategic milestone in building next-generation ...

India's battery storage boom: Getting the execution right

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 ...

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