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## Behind-the-meter energy storage project in Mumbai India

Is Tata Power installing a 100MW battery energy storage system in Mumbai?

Loading... Tata Power, India's largest integrated power company, has secured approval from the Maharashtra Electricity Regulatory Commission (MERC) to install a 100MW Battery Energy Storage System (BESS) across Mumbai.

What is behind the meter energy storage?

Behind-the-Meter storage, on the other hand, is deployed on the consumer's side of the electricity meter. It includes energy storage systems installed in homes, commercial buildings, hospitals, or factories. Often paired with rooftop solar systems, these batteries store self-generated energy for later use or serve as backup during outages.

Where will a 100MW power system be installed in Mumbai?

The complete 100MW system will be installed across ten strategically located sites, particularly near load centres across Mumbai Distribution, centrally monitored and controlled from Tata Power's power system control centre.

Why is energy storage important in India?

Energy owing through the battery. 01 INTRODUCTION Energy storage is a key solution to reach India's targets for renewable energy and to eventually reach a 100% renewable energy-based power system. It provides essential flexibility/balancing services as well as ancillary services as variable renewable

This installation marked India's first grid-scale battery and helped stabilize grid frequency while demonstrating the feasibility of large ...

Mumbai, 7th April, 2025 - Tata Power, India's largest integrated power company and a trusted electricity provider to approx. 8 lakh ...

Tata Power has received approval from the Maharashtra Electricity Regulatory Commission (MERC) to implement a 100MW ...

This article aims to assess the development of India's stationary battery storage sector as of 2025, identifying key policy drivers, market trends, and technological shifts. It ...

Advancing Towards Net-Zero Carbon Energy Production Behind the Meter energy storage is essential for utilities to manage fluctuating electricity demand. Advancing towards ...

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Mumbai, April 7, 2025 - Tata Power, India's leading integrated power company, has secured approval from MERC to deploy a 100 MW Battery ...

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India, with more than 4 GW of installed rooftop solar, is primed for the uptake of behind-the-meter energy storage, as consumer economics become more attractive with the ...

Leading industry body IESA (India Energy Storage Alliance) projects that India's energy storage sector is poised to expand fivefold ...

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