

SolarTech Power Solutions

Backup power storage application in Mumbai India



Overview

Will Tata Power install a 100 MW battery energy storage system in Mumbai?

Mumbai, 7th April, 2025 – Tata Power, India's largest integrated power company and a trusted electricity provider to approx. 8 lakh residential and commercial consumers, has received approval from the Maharashtra Electricity Regulatory Commission (MERC) to install a 100 MW Battery Energy Storage System (BESS) in Mumbai over the next two years.

Where is a 100 MW battery energy storage system located?

Located near Fort Stockton, Texas, the 100 MW/200 MWh BESS is providing energy. 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.

How will Tata Power's Bess deployment fulfil energy storage obligations?

Additionally, Tata Power's BESS deployment will also fulfil energy storage Obligations. The entire 100 MW system will be installed across 10 strategically located sites, especially near load centres across Mumbai Distribution, centrally monitored and controlled from Tata Power's Power System Control Center (PSCC).

Where will Tata Power install a 100 MW power system?

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Why is Tata Power launching a 'black start' system in Mumbai?

Tata Power said the BESS, equipped with advanced 'black start' functionality, will enable a swift recovery of power supply to critical infrastructure, including the metro, hospitals, Airport, and Data Centers, in case of grid disturbances. This will prevent large-scale blackouts and enhance Mumbai's power network

resilience.

How will Bess support Mumbai's energy sustainability goals?

The system will have high round-trip efficiency with reduced auxiliary consumption, thereby enhancing operational performance and extending the storage system's lifespan to support Mumbai's energy sustainability goals. As renewable energy adoption accelerates, BESS plays a pivotal role in enabling a smoother transition.

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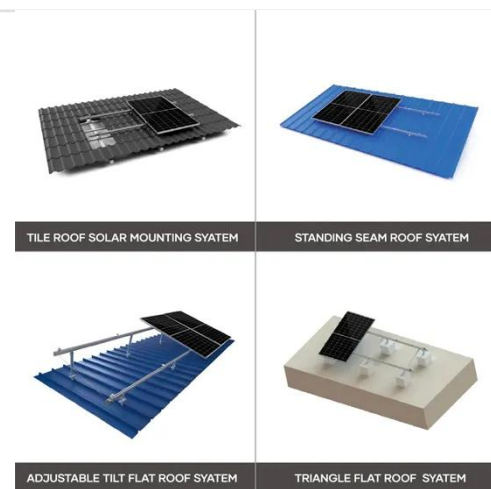
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