



# Utility scale batteries Martinique

Discover the different types of utility-scale batteries, including lithium-ion, lead-acid, flow, sodium-sulfur, nickel-cadmium, and solid-state batteries. Learn about their advantages, applications, and the future of energy storage technology.

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Nidec ASI will be installing 5MW / 5MWh of battery energy storage at a utility-scale wind farm on the French island territory of Martinique, aimed at stabilising and maximising the flow of energy onto the grid.

The facility is connected to the island's power grid, which is operated by utility EDF. Its integration into the network will facilitate the wider penetration of renewable energy capacity on the Caribbean island. The system will store excess power and feed it back during periods of peak consumption.

UTILITY-SCALE BATTERIES WHAT ARE UTILITY-SCALE BATTERIES? Stationary batteries can be connected to distribution/transmission networks or power-generation assets. Utility-scale storage capacity ranges from several megawatt-hours to hundreds. Lithium-ion batteries are the most prevalent and mature type. 3 SNAPSHOT

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The project is a part of France's Energy Regulatory Commissions (CRE) tender to develop 11 large-scale storage projects with combined power of 50 MW and a storage capacity of 56.8 MWh. In Martinique, CRE has selected EDF SEI for 5 MW/4 MWh project.

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