

## ContainerPower Energy Solutions

# Installed energy storage batteries



## Overview

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How will a 100MW battery energy storage system work?

The facility will serve as a large-scale battery energy storage system capable of charging from, and discharging into, the New York power grid. When fully functional, the 100MW battery energy storage project will be able to discharge electricity to the grid particularly during peak demand.

What is a battery energy storage system?

Battery energy storage systems (BESS) stabilize the electrical grid, ensuring a steady flow of power to homes and businesses regardless of fluctuations from varied energy sources or other disruptions. However, fires at some BESS installations have caused concern in communities considering BESS as a method to support their grids.

Are battery energy storage systems safe?

Battery energy storage systems (BESS) are growing rapidly on the U.S. grid, but the technology has faced some headwinds. The primary technology being installed, lithium-ion storage facilities, have experienced fires that have some localities beginning to question the safety of living nearby.

Are battery energy storage systems regulated in New York City?

Battery energy storage systems in New York City are rigorously regulated, with oversight from the safety industry, federal, state, and local authorities. All code, location, spacing, and other local requirements must be met.

How many mw can a New York battery storage facility hold?

When built, the facility will be able to hold up to 100 megawatts (MW) and power over tens of thousands of households. Once completed, the project will be amongst the largest battery storage installations in New York State.

What types of batteries are used in energy storage?

These include lead acid, lithium-ion, flow, sodium-based, and nickel-based batteries. Lithium-ion chemistries are increasingly the batteries of choice across energy storage applications, due primarily to their declining costs and high energy density.

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