

## SolarTech Power Solutions

# Yi Energy Storage Power Station



## Overview

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Which long Island utility-scale battery energy storage projects have been approved?

The Long Island Power Authority approved two utility-scale battery energy storage contracts on Wednesday, Dec. 18 — a 50-megawatt project on LIPA's property that had formerly been slated to become the Shoreham Nuclear Power Plant, and a 79-megawatt facility on Rabro Drive in Hauppauge.

What are battery storage power stations?

Battery storage power stations are usually composed of batteries, power conversion systems (inverters), control systems and monitoring equipment. There are a variety of battery types used, including lithium-ion, lead-acid, flow cell batteries, and others, depending on factors such as energy density, cycle life, and cost.

What are the core functions of energy storage power stations?

In addition to these core functions, functions such as anti-backflow protection, support for parallel/off-grid operation, and islanding protection further enhance the reliability and versatility of energy storage power stations.

Why do battery storage power stations need a data collection system?

Battery storage power stations require complete functions to ensure efficient operation and management. First, they need strong data collection capabilities to collect important information such as voltage, current, temperature, SOC, etc.

Why is energy storage important?

Energy storage is essential for creating a cleaner, more efficient, and resilient electric grid. Additionally, these projects will provide meaningful benefits to Disadvantaged Communities and Low-to-Moderate Income New Yorkers. Energy storage is essential to a resilient grid and clean energy system.

What is the construction process of energy storage power stations?

The construction process of energy storage power stations involves multiple key stages, each of which requires careful planning and execution to ensure smooth implementation.

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