

SolarTech Power Solutions

Rapid deployment of large-scale energy storage projects



Overview

What is the difference between manufacturing and deployment of energy storage systems?

Manufacturing: Projects that manufacture energy storage systems for a variety of residential, commercial, and utility scale clean energy storage end uses. **Deployment:** Projects that deploy residential, commercial, and utility scale energy storage systems for a variety of clean energy and clean transportation end uses.

Are battery energy storage systems a good partner for renewables?

Battery energy storage systems supply flexible and affordable electricity when it is needed most, making them an ideal partner for renewables. The three new BESS are paired with solar, allowing them to store excess electricity and send it back to the grid at a later time.

What is ERG's energy storage system?

Located at ERG's substation connected to the Vicari and Roccapalumba wind farms, the system has a power capacity of 12.5 MW and a nominal storage capacity of 50 MWh, enabling it to store renewable energy for up to four hours.

What is energy storage?

Energy storage encompasses an array of technologies that enable energy produced at one time, such as during daylight or windy hours, to be stored for later use. LPO can finance commercially ready projects across storage technologies, including flywheels, mechanical technologies, electrochemical technologies, thermal storage, and chemical storage.

Will energy storage capacity scale quickly in 2050?

U.S. energy storage capacity will need to scale rapidly over the next two decades to achieve the Biden-Harris Administration's goal of achieving a net-

zero economy by 2050.

Why is energy storage important?

Energy storage serves important grid functions, including time-shifting energy across hours, days, weeks, or months; regulating grid frequency; and ensuring flexibility to balance supply and demand.

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