

Energy storage power generation income





Overview

How does energy storage generate revenue?

In a word, revenue. Energy storage can collect revenue in America's organized power markets three ways: platforms, products, and pay-days . However, different projects will tap these potential revenue streams in different ways, and investors should seek nimble developers who can navigate a complex and evolving regulatory and market landscape.

Do investors underestimate the value of energy storage?

While energy storage is already being deployed to support grids across major power markets, new McKinsey analysis suggests investors often underestimate the value of energy storage in their business cases.

How do I evaluate potential revenue streams from energy storage assets?

Evaluating potential revenue streams from flexible assets, such as energy storage systems, is not simple. Investors need to consider the various value pools available to a storage asset, including wholesale, grid services, and capacity markets, as well as the inherent volatility of the prices of each (see sidebar, "Glossary").

Are Storage Resources Energy Limited?

But storage resources are energy limited (they can't just convert fuel to electricity ad infinitum), they must be charged, they take more energy to charge than they provide back, and they may be entirely driven by power electronics (no spinning inertia).

Is energy storage on the rise?

This article is more than 4 years old. Energy storage is surging across America. Total installed capacity passed 1,000 megawatt-hours (MWh) during a record-setting 2017, and the U.S. market is forecast to nearly double by adding more than 1,000 MWh new capacity in 2018 - adding as much capacity



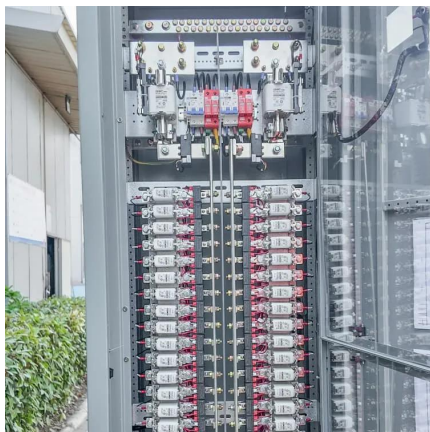
in one year as it did in the previous four.

What is a battery energy storage project?

A battery energy storage project is a system that serves a variety of purposes for utilities and other consumers of electricity, including backup power, frequency regulation, and balancing electricity supply with demand.



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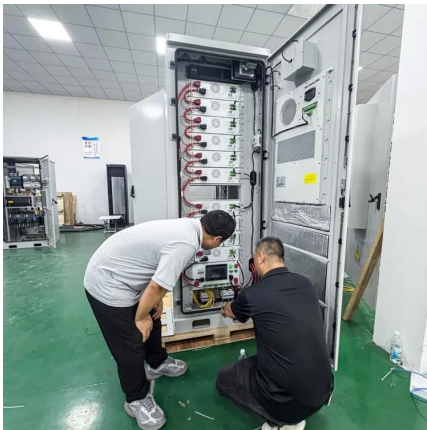
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