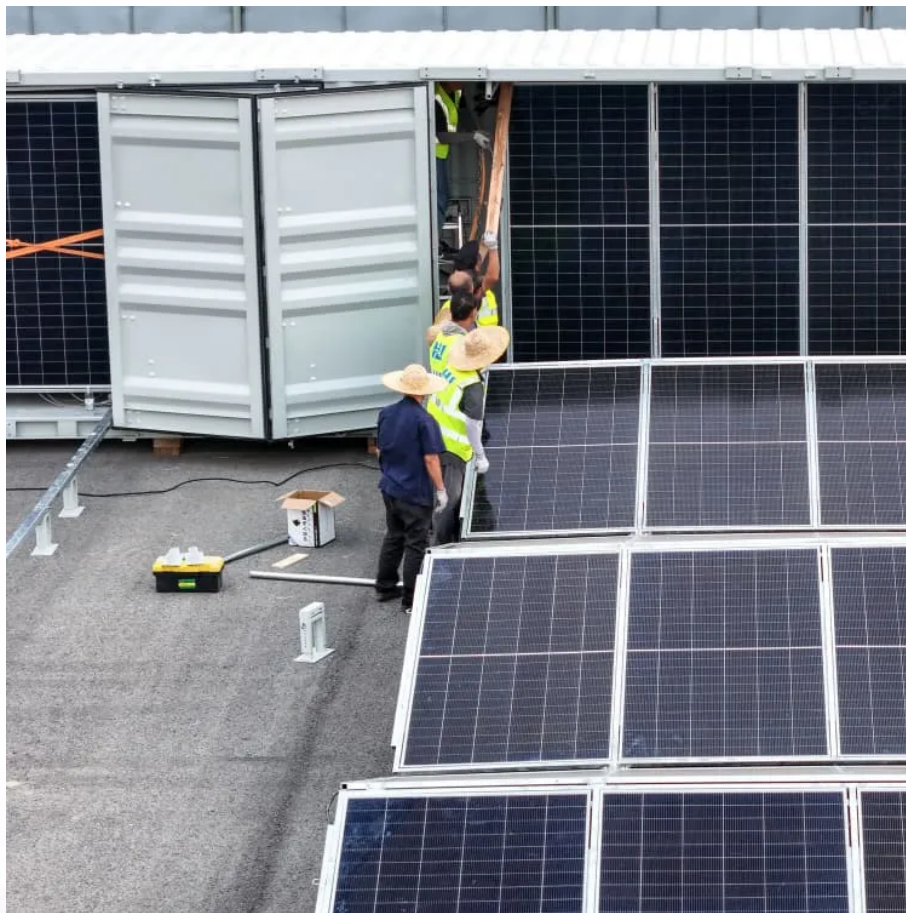


The business model of solar plus energy storage





Overview

What is solar-plus-storage?

For solar-plus-storage—the pairing of solar photovoltaic (PV) and energy storage technologies—NREL researchers study and quantify the unique economic and grid benefits reaped by distributed and utility-scale systems. Much of NREL's current energy storage research is informing solar-plus-storage analysis.

How does solar-plus-storage affect energy systems?

Solar-plus-storage shifts some of the solar system's output to evening and night hours and provides other grid benefits. NREL employs a variety of analysis approaches to understand the factors that influence solar-plus-storage deployment and how solar-plus-storage will affect energy systems.

Is solar-plus-storage better than thermal?

Solar-plus-storage is comparable to thermal's technical characteristics in provision of firm and dispatchable sources of electricity. Lower costs compared to thermal: Costs of solar-plus-storage and tariffs achieved are much lower in many countries, compared to HFO, and fuel-based thermal generations.

What are business models for energy storage?

Business Models for Energy Storage Rows display market roles, columns reflect types of revenue streams, and boxes specify the business model around an application. Each of the three parameters is useful to systematically differentiate investment opportunities for energy storage in terms of applicable business models.



The business model of solar plus energy storage



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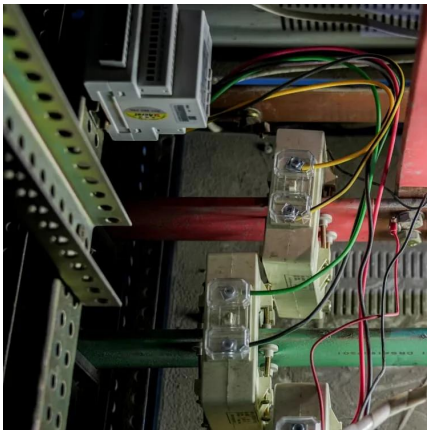
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