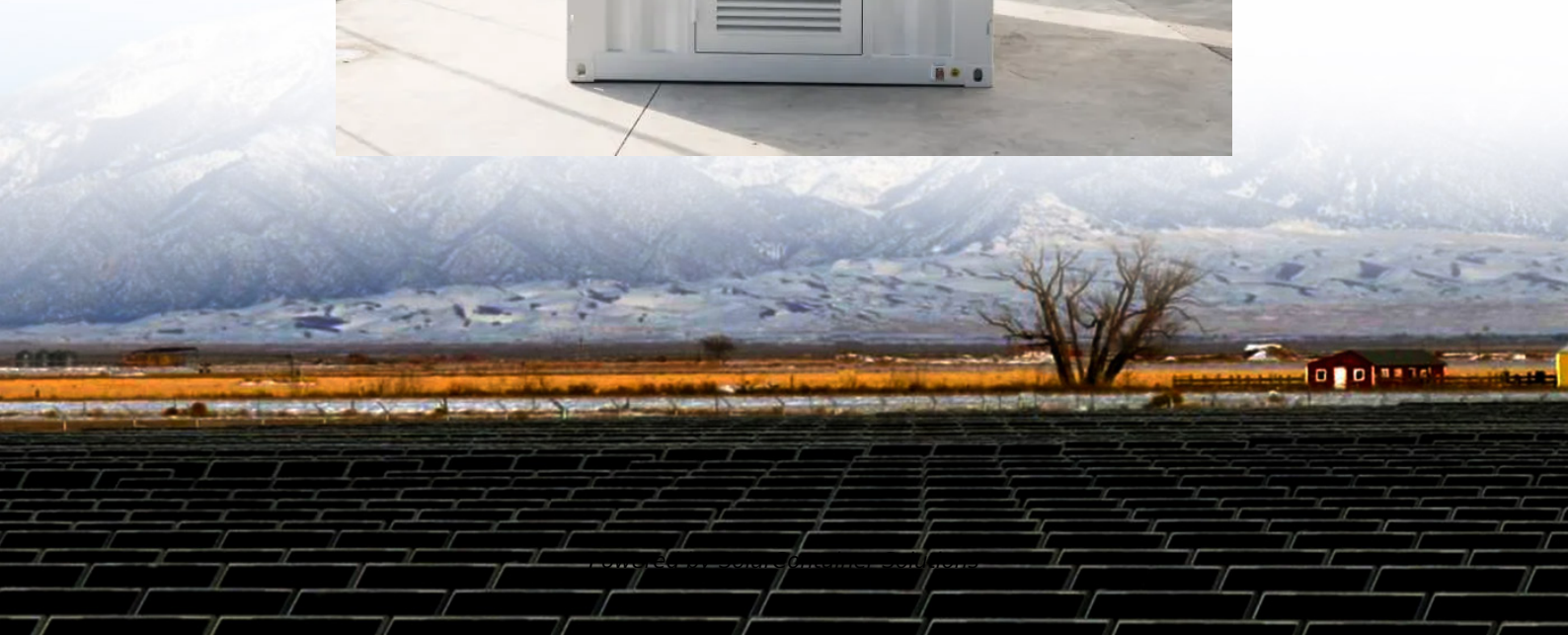


Third-party investment in energy storage power station projects





Overview

Does project finance apply to energy storage projects?

The general principles of project finance that apply to the financing of solar and wind projects also apply to energy storage projects. Since the majority of solar projects currently under construction include a storage system, lenders in the project finance markets are willing to finance the construction and cashflows of an energy storage project.

Can LPO finance energy storage projects?

LPO can finance short and long duration energy storage projects to increase flexibility, stability, resilience, and reliability on a renewables-heavy grid. Why Energy Storage?

.

How does a battery energy storage system work?

Battery energy storage systems (BESS) store electricity and flexibly dispatch it on the grid. They can stack revenue streams offering arbitrage, capacity and ancillary services under regulated frameworks, long-term offtake agreements and merchant schemes. Contracted revenue minimises price volatility.

Will a tax credit be available for energy storage projects?

However, with the passage of the Inflation Reduction Act of 2022, tax credits are now available for standalone energy storage systems, and thus lenders may be willing to provide bridge capital that is underwritten based on the receipt of proceeds from an anticipated tax equity investment, similar to renewable energy projects.

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.

What are the risks of battery energy storage operations 2022?

Research and consultancy group Wood Mackenzie, in its report United States Battery Energy Storage Operations 2022, has identified the following individual operation risks: immature service network, sophisticated battery health monitoring, complex operations bid scheduling, and unique capacity augmentations and overhauls.



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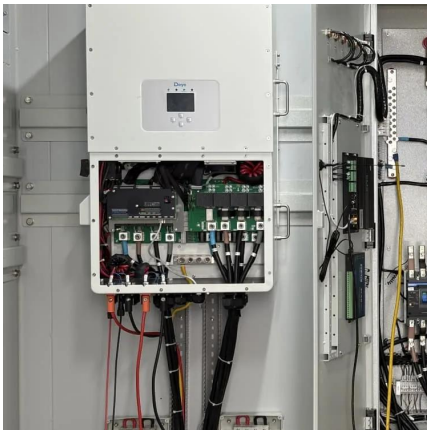
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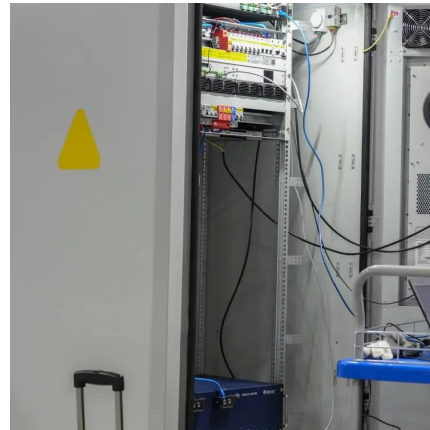
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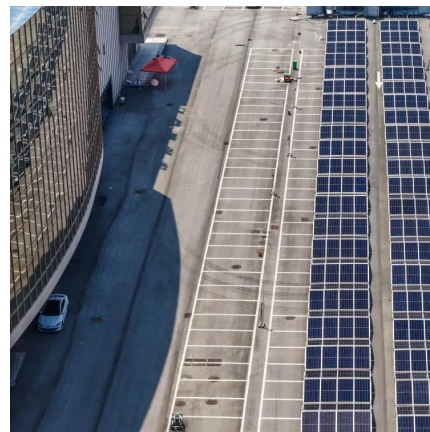
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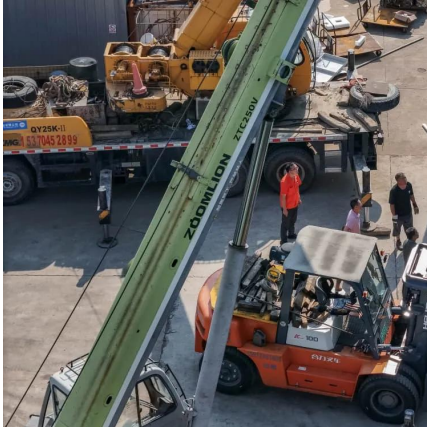
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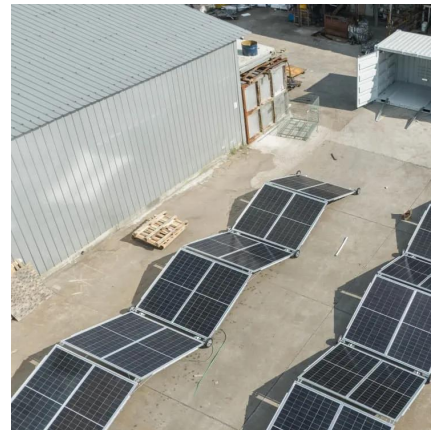
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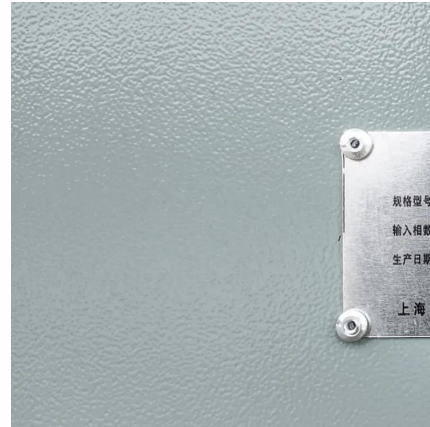
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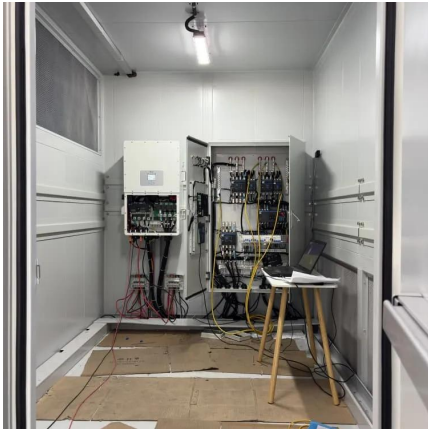
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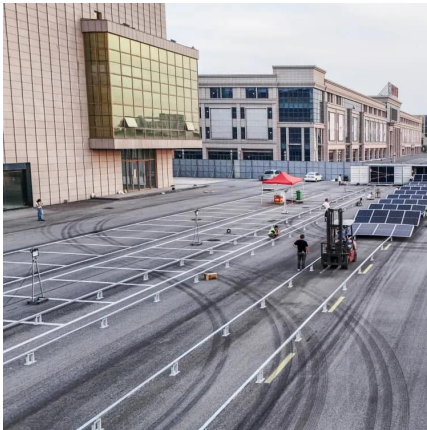
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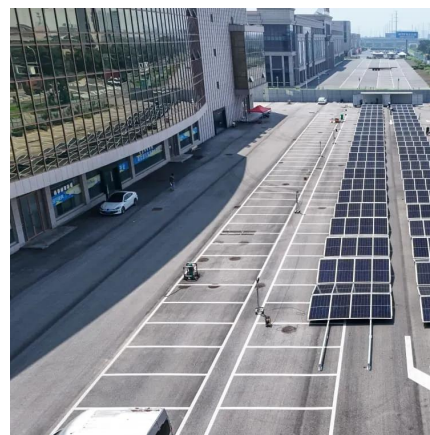
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