

Long-term financing for intelligent photovoltaic energy storage containers used in tunnels





Overview

Title 17 Clean Energy Financing Program's Innovative Energy and Innovative Supply Chain category (Section 1703) can provide financing for deployment of storage technologies, or supply chain projects supporting energy storage, that use innovative technologies or processes; if qualifying storage projects receive meaningful support from a State Energy Financing Institution, they do not need to be innovative. Why do energy storage projects need project financing?

The rapid growth in the energy storage market is similarly driving demand for project financing. The general principles of project finance that apply to the financing of solar and wind projects also apply to energy storage projects.

Can you finance a solar energy storage project?

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. However, there are certain additional considerations in structuring a project finance transaction for an energy storage project.

What is a solar plus storage power purchase agreement (PPA)?

Recently, contracts have been awarded that include both renewable energy and energy storage such as the solar plus storage power purchase agreements (PPA)s executed in Hawaii and Arizona [4,5]. In these innovative contracts the cost of energy, including demand charges, are used as the basis of the PPA price.

What is energy storage container?

SCU uses standard battery modules, PCS modules, BMS, EMS, and other systems to form standard containers to build large-scale grid-side energy storage projects.



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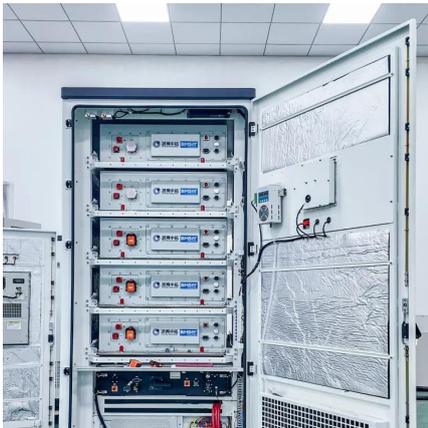
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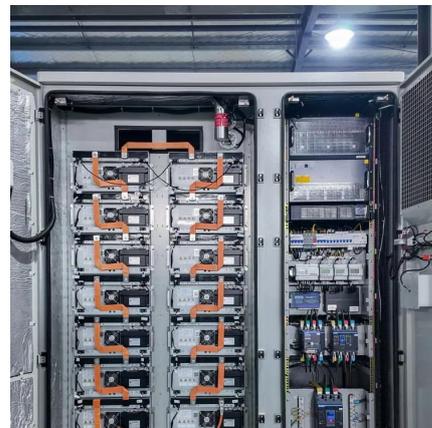
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