

# Fixed Financing for Solar-Powered Containers in Data Centers

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## Overview

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These solutions are tailored to the unique risk profiles of modern data center projects — often massive, single-tenant campuses for creditworthy hyperscalers that can require power capacity in excess of 1 gigawatt and billions of dollars in initial construction capital. Data center construction is experiencing double-digit growth in the US, a trend that is likely to continue until 2030 and beyond. <sup>1</sup> Accompanying that growth is an increase in deal activity, as developers and hyperscalers — the major players who own and operate large-scale data facilities — vie to. Data center financings in the United States were \$30 billion in 2024 and are expected to reach \$60 billion this year. The financing structures have some similarities with traditional project finance structures used in power and LNG deals, but there are also differences. SB Energy, which is part of SoftBank's portfolio, is expected to develop solar installations backed by grid-scale batteries. <sup>1</sup> trillion globally in 2023, reflecting increasing demand for green infrastructure investments.

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### SFA Research Corner

Financing Pressures Drive Innovation in Data Center Financing Financing Pressures Drive Innovation in Data Center Financing Elen Callahan Head of Research 203.512.0503 The U.S. data ...

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Green bonds, ESG loans, and sustainable finance are transforming data center funding in 2025--lowering costs, boosting efficiency, and attracting investors.



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Sunrocket Capital, which offers full lifecycle funding for solar projects, has found that the convergence of electrification, grid constraints, and increased demand for computing power has ...

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Innovative financing methods are created through collaboration with bankers, making solar-powered data centers commercially viable. Investments are attracted by green bonds and ...



### [Data center financing , EY](#)

Learn about the complexities of financing data centers and explore various funding strategies to align with long-term goals in a rapidly evolving market.



### [Solar Power for Data Centers and IT Infrastructure](#)

Companies like Google and Apple have invested heavily in solar power, with some data centers being powered entirely by renewable energy. These implementations have resulted in ...



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Key issues There is increased demand for data storage capacity but power and water usage is coming under the spotlight. A wide variety of financing structures are being used in the sector, including the ...

[Data centers love solar: Here's a comprehensive guide to](#)

New and expanded data centers are expected to double the sector's power demand by 2029, according to JLL. As a result, developers and tech companies have been working overtime to ...



[Hyperscaler Data Centers: Financing Solutions for Large-Scale Projects](#)

These solutions are tailored to the unique risk profiles of modern data center projects -- often massive, single-tenant campuses for creditworthy hyperscalers that can require power capacity ...

[Data Center Financing Structures , Norton Rose Fulbright](#)

In September, we closed a transaction where we did exactly that: financed multiple build-outs of single-digit-megawatt data centers across nine locations in the southeastern United States.



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