



2MW Solar-Powered Containerized Data Center Agreement





Overview

Google is buying another 600 megawatts of solar power to supply electricity to its data centers. The new deal covers solar and storage projects being developed in South Carolina by EnergyRe.

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Google is buying another 600 megawatts of solar power to supply electricity to its data centers. The new deal covers solar and storage projects being developed in South Carolina by EnergyRe. The company says it has 16 gigawatts under development; most projects listed on its site have deployed.

Renewable energy project developer energyRe announced a new agreement with Google, enabling the tech giant to purchase Renewable Energy Credits (RECs) from a portfolio of more than 600 MW of new solar and solar with storage projects being developed by energyRe in South Carolina. The announcement.

This latest deal involves the procurement of 600 megawatts of solar energy, sourced from projects being developed by EnergyRe in South Carolina. With the global push towards sustainability, Google is not only enhancing its commitment to clean energy but also addressing the increasing demand for.

The nuclear-AI convergence complements traditional wind/solar PPAs, with 22GW of nuclear projects now in development globally. Microsoft's landmark 10.5GW renewable energy PPAs, Google's 24/7 carbon-free energy commitment by 2030, and Amazon's position as world's largest corporate renewable energy.

Google has announced a significant investment in renewable energy, pledging \$20 billion in collaboration with Intersect Power and TPG Rise Climate. This investment allows for the establishment of the first string of zero-carbon power plants. Those plants will provide power to several gigawatts.

The International Energy Agency (IEA) projects that global electricity demand from data centers will more than double by 2030, reaching approximately 945 terawatt-hours (TWh) – roughly equivalent to Japan's current total electricity consumption.



In the U.S., data centers are expected to consume 580. Can Google power its data centers with solar energy?

Google continues to make significant strides in renewable energy, recently announcing a major solar power agreement aimed at powering its data centers. This latest deal involves the procurement of 600 megawatts of solar energy, sourced from projects being developed by EnergyRe in South Carolina.

How much power will a data center use in 2022?

ion that Scales2024 St, Pasadena, CA 91103heliogen.com Demand for data centers is forecasted to grow by an estimated 20% a year until 2030. Introduction McKinsey projects that deployment of new servers will more than double power consumption — from 17 gigawatts (GW) in 2022 to 35 gigawatts (GW) in 2030. The United States accounts for 40% of that demand.

How many solar deals have tech companies backed in 2025?

Since the start of 2025, tech companies and data center operators have backed 12 solar deals, each adding more than 100 megawatts of capacity to the grid. Meta kicked off the year with a 200-megawatt solar deal with multinational electric utility Engie. The purchase went toward a solar farm near one of the company's existing data centers in Texas.

Can Utility-scale solar power a data center?

Utility-scale solar is already one of the cheapest forms of new generating capacity without counting subsidies, undercutting everything except onshore wind. It's also quick to deploy and can be commissioned in phases, allowing data centers to draw power before the entire project is finished.



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Google inks another massive solar power deal to electrify its data centers

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[Power Purchase Agreements \(PPAs\) for AI Data Centers: ...](#)

AI data centers projected to consume 945 TWh annually by 2030 make sustainable power essential. The nuclear-AI convergence complements traditional wind/solar ...

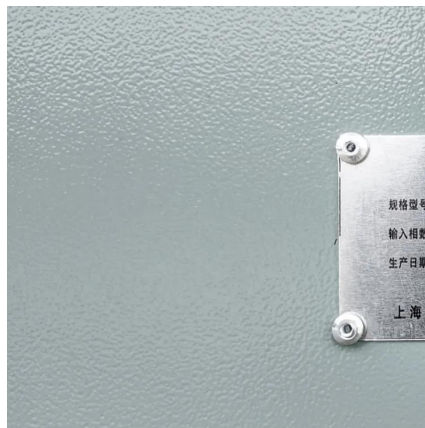
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Google Signs Another Major Solar Power Deal to Power Its Data Centers

Further, the company was recently approved to purchase another 600 megawatts of solar energy directly to power its data centers. The newly announced deal underscores this ...



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[Google secures major solar deal to power data centers](#)

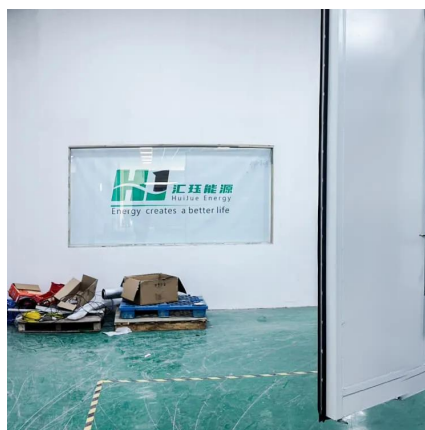
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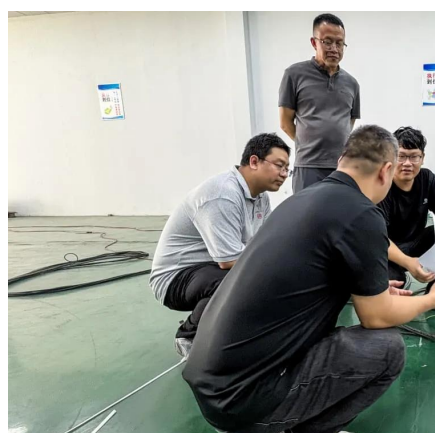
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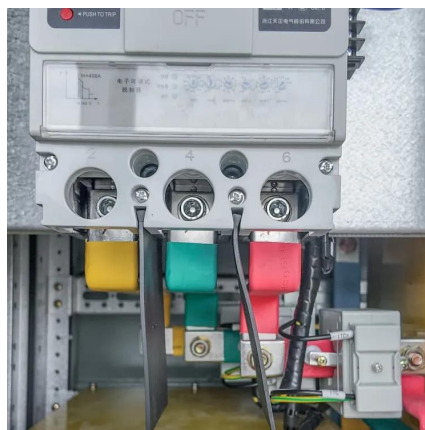
Google Signs 600 MW Solar



Agreement in U.S. to Help Power Data Centers

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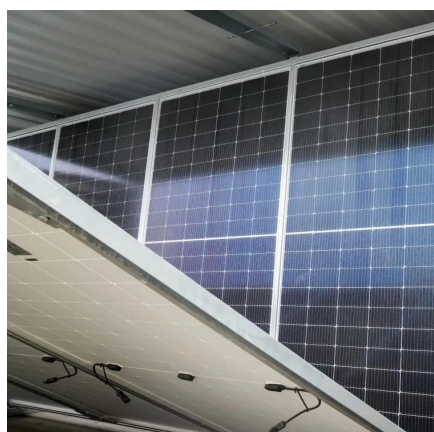
Google signs PPA with Leeward to



power Oklahoma data center ...

Google has signed a series of Power Purchase Agreements (PPA) with Leeward Energy for energy from 724MW of solar projects under development in Oklahoma, US. The ...

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Data centers love solar: Here's a comprehensive guide to

The contract covers three different solar farms, two in Illinois and one in Texas. The purchases have helped Microsoft stay on top of its pledge to power its operations using ...

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Hybrid Solar Power for Data Centers

This whitepaper looks at the data center industry and its need for a reliable source of carbon-free energy -- and why one renewable solution stands out in meeting data center needs.

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