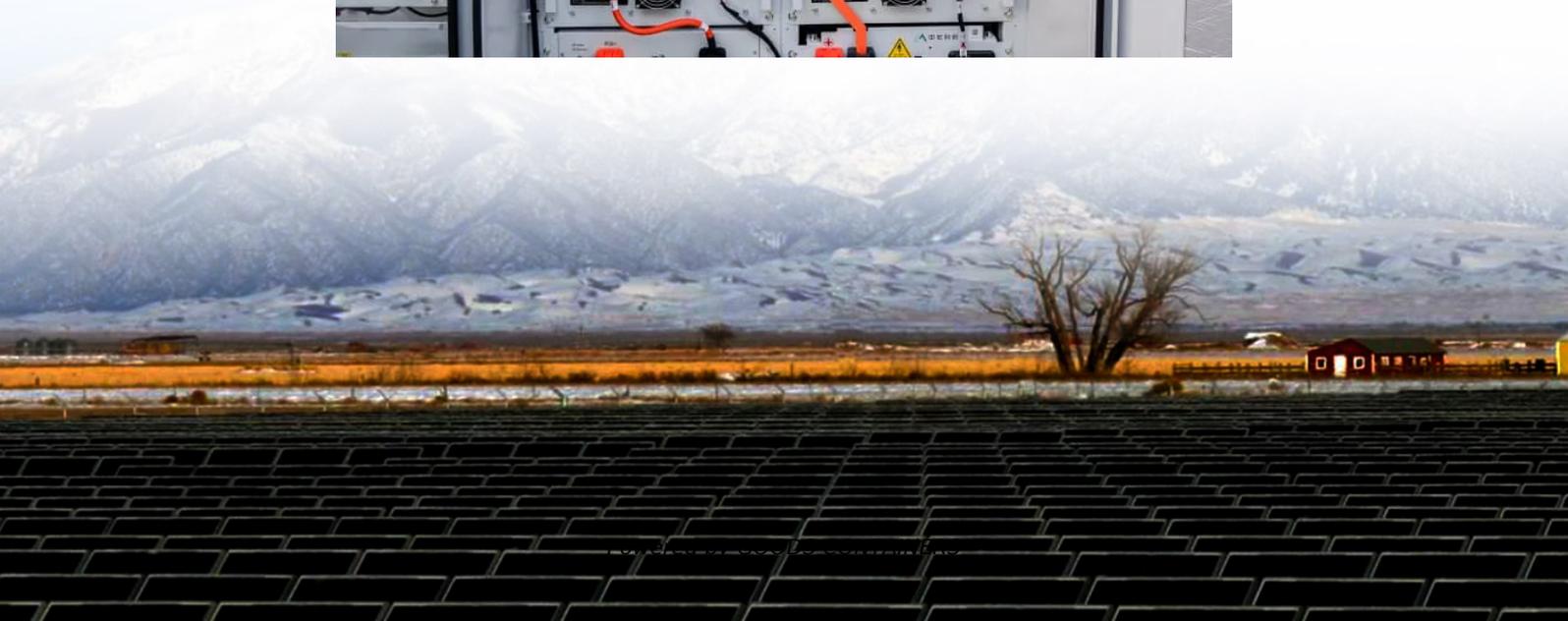


San Diego Southern Power Grid Energy Storage Technology





Overview

What is the UC San Diego microgrid?

The UC San Diego Microgrid is one of the most advanced, resilient, and sustainable energy systems in the world. Designed as a real-world testbed for cutting-edge energy technologies, it supplies 92% of the campus's annual electricity needs and integrates a diverse mix of renewable energy, energy storage, and advanced grid control systems.

How much battery storage does SDG&E have?

SDG&E's utility-owned battery storage portfolio is expected to reach nearly 480 MW of power capacity and over 1.9 GWh of energy storage by year-end, including the Westside Canal expansion and two additional projects in San Diego County currently being constructed.

What does SDG&E do?

SDG&E is an innovative energy delivery company that provides clean, safe and reliable energy to better the lives of the people it serves in San Diego and southern Orange counties.

Why should UC San Diego invest in a microgrid?

It enables researchers, utilities, and industry partners to test, validate, and refine emerging energy technologies in a real-world, grid-connected environment. UC San Diego has committed to carbon neutrality by 2025, and The microgrid plays a critical role in helping UC San Diego achieve its decarbonization goals.



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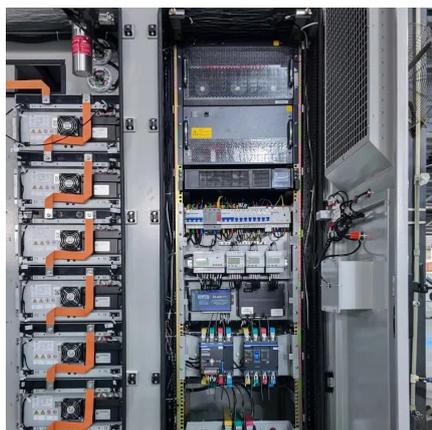


[Photovoltaic Power Generation and Energy Storage in San Diego...](#)

Summary: San Diego is rapidly emerging as a leader in photovoltaic (PV) power generation and energy storage solutions. This article explores the city's renewable energy landscape, ...

[UC San Diego Energy Storage Group, Advancing Energy Storage ...](#)

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[SDG& E Strengthens Grid Resilience with 100-MW Storage ...](#)

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[SDG& E expands Westside Canal Battery Energy Storage to ...](#)

Mar 16, 2025 · As SDG& E continues expanding its storage assets, additional projects across San Diego County and Imperial Valley will further bolster the grid's ability to integrate and distribute ...



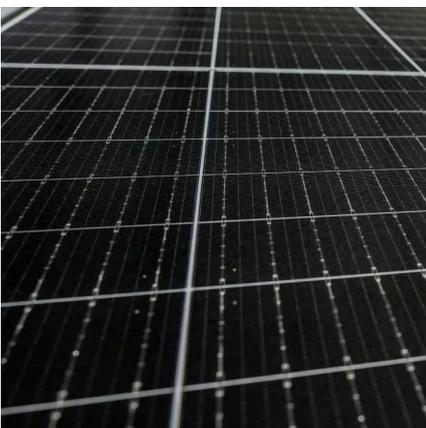
[Company erects massive energy facility in California -- ...](#)

Jul 24, 2025 · Arevon Energy recently launched the Peregrine Energy Storage Project, a massive \$300 million battery installation in San Diego's Barrio Logan neighborhood.



[SDG& E unveils four advanced microgrids to boost grid](#)

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[SDG& E Expands Energy Storage to Boost Grid Resilience and ...](#)

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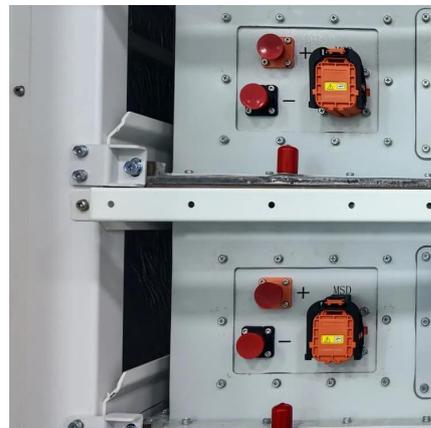


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UC San Diego Microgrid , Real-World Testing for Energy Storage ...

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