

SolarInnovate Energy Solutions

San Diego Lead Carbon Energy Storage Project



Overview

A portfolio of 44 battery storage systems across San Diego County aimed at adding more emissions-free energy to California's electric grid is about to roll out, with one location in Chula Vista and another in El Cajon poised to break ground within the next month. Will SDG&E's Kearny facility help California reach 100% carbon-free electricity?

The Kearny facility is one of several SDG&E projects that will help California reach its goal of 100% carbon-free electricity, while also bolstering grid reliability during the summer. SDG&E completed the Top Gun Energy Storage, a 30 MW/120 MWh lithium-ion battery system, last June.

What is SDG&E's Top Gun energy storage?

SDG&E completed the Top Gun Energy Storage, a 30 MW/120 MWh lithium-ion battery system, last June. The facility can provide the energy equivalent for serving 20 000 homes for four hours. Top Gun is connected to the California Independent System Operator (CAISO) market and can be dispatched by CAISO to support state-wide grid needs.

What is the long-duration energy storage project?

The project is the largest grant awarded under the Long-Duration Energy Storage Program, funded by Governor Gavin Newsom's historic multi-billion-dollar commitment to combat climate change. Investing in new technologies such as long-term energy storage will help California achieve its goal of a clean energy system by 2045.

How will a battery system improve California's resiliency?

The project will provide electricity to the statewide grid and backup power to the base for up to 14 days during power outages. The battery system will help enhance the resiliency of California's electricity grid, the region and the base, providing a replicable model that can be applied broadly.

How big is San Diego's battery storage capacity?

Within the past five years, the state has grown its battery storage capacity by more than 15 times, up from just 770 MW in 2019. The project will help support the Marine Corps' largest West Coast expeditionary training facility, which encompasses more than 125,000 acres in San Diego County.

What is the CEC long-duration energy storage program?

The grant was awarded to International Electric Power through the CEC's Long-Duration Energy Storage Program, which is funded by Governor Gavin Newsom's historic multi-billion-dollar commitment to combat climate change.

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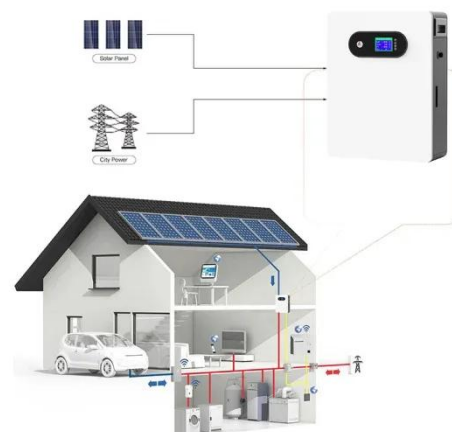
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