

# California Solar Energy Storage



## Overview

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California has emerged as the U. leader in solar-plus-storage, rapidly expanding both rooftop and utility-scale projects that pair photovoltaic generation with battery systems to store excess power for use during peak demand or outages. California now has nearly 17,000 megawatts of battery storage — one-third of the way to its 2045 goal — transforming how the state powers a reliable grid and robust economy, while proving that climate action and clean, reliable energy go hand in hand. Battery capacity has soared from under 1 GW in 2020 to. Every summer from 2020 to 2022, California's power grid has struggled to meet sudden demand spikes during record heatwaves.

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### **CALSSA Press Releases -- California Solar & Storage Assoc.**

A new research report released today by the California Solar & Storage Association (CALSSA) reveals the real reason why energy rates keep going up: out of control utility spending and ...

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### **Our Work -- California Solar & Storage Assoc. (CALSSA)**

For over forty years, CALSSA has worked to put in place and defend solar and storage policies and programs that have made California one of the biggest and most successful solar markets in the world.

[Learn More](#)

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### **Become a Member -- California Solar & Storage Assoc. (CALSSA)**

The California Solar & Storage Association is the only place you'll find a comprehensive body of resources, knowledge and experts to help you navigate the complex landscape of California's solar ...

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## California Is Building the Biggest

## Virtual Power Plant in the World

While California has managed to avoid similar grid emergencies since 2022, the accelerating impacts of climate change mean that grid reliability will continue to be a top priority for ...

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## California Sets First-in-Nation Requirements for Solar & Energy ...

Combined, and assuming no radical changes to net metering, today's decision could increase California's solar market by roughly 22% and today's behind-the-meter energy storage ...

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## Largest battery storage project wins fast-track approval ...

An up to 4,600 MW battery energy storage system (BESS) will be paired with a solar installation of 3 million solar modules providing 1.1 GW of ...

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## California Solar & Storage Association Announces Leadership Transition

The association is the state's largest clean energy business group, with 700 member companies representing an

array of businesses that manufacture, design, install, finance and provide ...

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## **Intersolar & Energy Storage North America 2025 -- CA Solar**

An immersive exhibit hall experience, featuring 550+ exhibitors, informative presentations, and the crowd-favorite Solar Games. Exclusive site tours, dynamic networking ...

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## **Who We Are -- California Solar & Storage Assoc. (CALSSA)**

The mission of the California Solar & Storage Association is to promote the widespread deployment of smart, local, clean energy technologies while supporting a wide variety of businesses that everyday ...

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## **California's Battery Storage Fleet Continues Record ...**

California now has nearly 17,000 megawatts of battery storage -- one-third of the way to its 2045 goal --

transforming how the state powers a ...

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### **Our Members -- California Solar & Storage Assoc. (CALSSA)**

Our over 700 member companies represent an array of businesses that manufacture, design, install, finance and provide other resources to the growing local solar and storage market in California.

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### **California Solar & Storage Assoc. (CALSSA)**

The California Solar & Storage Association (CALSSA) is the state's largest clean energy business group with over 700 member companies representing an array of businesses that manufacture, design, ...

[Learn More](#)



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