

VPP-ready for home batteries in California



Overview

CalReady is a virtual power plant (VPP) program in which its solar and energy storage customers agree to enroll their batteries to dispatch power during peak electricity demand events in exchange for compensation. Customers are paid up to \$150 per battery enrolled in the program. California has the largest residential storage market in the US and the densest stack of programs that pay you for owning a battery. SGIP funds the purchase; DSGS, ELRP, and aggregator VPPs pay for the dispatch. The California stack, in plain order. The state's four major programs — DSGS, ELRP, SGIP-VPP, and utility-specific options like Tesla-PG&E and SMUD's My Energy. That's when PG&E, SCE, and SDG&E tapped 100,000 residential storage batteries installed by Tesla and Sunrun to form a first of its kind VPP — virtual power plant. In all, those batteries supplied about 535 megawatts of electricity to the grid — enough to supply the electrical needs of hundreds of. An aggregation of more than 100,000 residential batteries provided an average 535 MW of support to California's electricity grid during a test to prepare for the hot summer period ahead. California homeowners with batteries could soon get paid for sharing stored energy during peak demand, if a bill working its way through the state. VPP Earnings Are Real and Significant: California homeowners with Tesla Powerwall or compatible batteries earn \$300-\$500 annually through DSGS or \$200-\$600 through ELRP programs, with one documented case earning \$574.



Article Content

California's patchwork push to scale up virtual power

To get around that barrier, PCE worked with the California Energy Commission, which is the state energy agency in charge of setting resource

The US's largest virtual power plant now runs on 75,000 home batteries

Sunrun's CalReady virtual power plant links 75,000 home batteries to stabilize California's grid and pay customers nearly \$10 million.

California VPP & Storage Program Guide | VPP.services

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Solar Battery Tax Credit 2026: What Changed After the OBBBA

There is no federal solar battery tax credit available to homeowners in 2026. The 30% Residential Clean Energy Credit (Section 25D) was terminated by the One Big Beautiful Bill Act,

California Virtual Power Plant Program

Generac is proud to announce a new program that will help save you money, improve the reliability of your community's power grid, and integrate more

100,000 residential batteries in California tested as one distributed ...

More than 100,000 residential batteries across California delivered an average of 535 MW of power from 7 to 9 p.m. on July 29 in a statewide test, according to an analysis by the consultancy

Arizona Solar Incentives 2026: Every Rebate & Tax Credit

Complete list of every solar and battery incentive available to Arizona homeowners in 2026. Federal battery ITC, AZ state credit, APS rebates, VPP ear

California VPP Links 100,000 Residential Storage Batteries

Utility companies in California have collaborated with homeowners who own battery storage units from Tesla and Sunrun in a VPP test.

Sunrun CalReady

Sunrun CalReady is a network of tens of thousands of Sunrun home battery systems across California, coordinated to offset grid strain and reduce power outages.

Sunrun supports California grid with 75,000 distributed batteries

CalReady is a virtual power plant (VPP) program in which its solar and energy storage customers agree to enroll their batteries to dispatch power during peak electricity demand events in

The Secret Weapon California Is Using To Prevent Blackouts

California is testing virtual power plants — networks of home batteries and smart devices — to prevent blackouts and make the grid more reliable.

California's home batteries are replacing gas plants and saving ...

Brattle Group analyzed a gigawatt-hour virtual power plant test that may be the world's largest as part of its review of California's distributed peak-shaving program.

Uplight | Clean Energy Solutions for a Decarbonized Grid

Uplight supports energy providers around the world with clean energy solutions for customer engagement and grid flexibility management.

Virtual Power Plants: Energy for Your Home and the Grid

Southern California Edison is increasing the number of virtual power plants available for customers to participate in. Here's how they work: typically,

Tesla Powers Up the UK: Get Ready for Tesla Energy Ventures!

This integration is expected to increase grid stability and encourage further adoption of renewable energy solutions in line with UK's clean energy goals. The support for this expansion is

Home Batteries Provide 535 MW to CAISO Grid on VPP Test Day

An aggregation of more than 100,000 residential batteries provided an average 535 MW of support to California's electricity grid.

PG& E Virtual Power Plant Program: What It Is, What You Earn, and

PG& E's Virtual Power Plant program pays homeowners to share battery power during grid events. Here's the honest breakdown of payouts, control, and whether it's worth it.

Demand Response Programs 2026: Compensation & Strategies

Home battery storage reaching 15-20% penetration in key markets (California, Hawaii, Australia, Germany), adding 20-30 GW of VPP-aggregated capacity globally
Industrial flexible

Lunar Energy raises \$232 million to accelerate

Lunar currently designs its products in California and assembles them in Georgia and Washington. Delivering financial incentives to owners Lunar

How California Home Batteries Earn Money (VPP 2026) | Stor Power

Yes. California homeowners with qualifying batteries can earn \$300-\$575 per summer by enrolling in a Virtual Power Plant (VPP) program.

Home Battery Backup: Complete Guide (Tesla Powerwall, Enphase

Everything you need to know about home battery backup systems in 2026. Compare Tesla Powerwall 3, Enphase IQ 5P, Franklin WH, Sonnen, and more — with pricing, specs, and real

California VPP Test Dispatches 535 MW From 100,000 Home Batteries

On July 29, 2025, California's three largest utilities dispatched 535 MW of electricity from more than 100,000 residential batteries in a coordinated two-hour virtual power plant test.

100,000 home batteries in California act as 500 MW power plant

More than 100,000 aggregated home batteries have recently supplied power at over 500 MW to California's electricity system in a virtual power plant event covered by a new analysis. The

California SB 913: Home Battery Virtual Power Plant Bill

Senate Bill 913, the "Clean Local Power Act," would require the California Public Utilities Commission (CPUC) to create pathways for home batteries, electric vehicles, and smart thermostats

Virtual Power Plants: How Your Solar Battery Can Earn Money In

Most California homeowners with Tesla Powerwall, Enphase IQ, or SolarEdge batteries qualify immediately. If you're considering a new installation, get a free solar quote to explore VPP

California VPP Links 100,000 Residential Storage Batteries

At 7:00 pm on July 29, 2025, history was made in California. That's when PG& E, SCE, and SDG& E tapped 100,000 residential storage batteries installed by Tesla and Sunrun to form a first

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