

Household rooftop solar power generation and energy storage



Overview

Learn how to generate solar energy at home and earn credits for the electricity you produce. Explore SCE's billing plans, rebates for battery storage, and ways to share solar benefits across accounts.

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Homeowner's Guide to Solar

You may be considering the option of adding a solar energy system to your home's roof or finding another way to harness the sun's energy. While there is not a universal solar energy solution, in this

[Rooftop Solar Energy Storage Solutions: What You Need to Know](#)

This article will guide you through the basics of rooftop solar systems, key components, types of energy storage solutions, and how battery storage systems work with rooftop solar panels.



[Residential Energy Storage System Installation: A Complete Guide](#)

Whether it's an integration with rooftop solar, or a backup power solution, purchasing a residential energy storage system will provide efficiency, sustainability, and resilience to your home

[How solar energy and battery storage work , SRP](#)

Learn the basics of rooftop solar power and home battery storage so you can better understand what is best for your needs.



Backup Power Options



When paired with rooftop solar, excess solar energy produced by your panels can be stored for later use in batteries for backup of critical loads in your house.

[Generating Electricity at Home: Solar Basics , SCE](#)

Setting your home up with solar technology can reduce your energy bill and your carbon footprint. We have the information and resources to help you get started.



[California Solar Mandate For Installing Solar Panels in 2026](#)

Learn how the California Solar Mandate impacts new homes, with key details for installers and homeowners navigating solar requirements.

[A guide to residential energy storage and rooftop solar: State net](#)

Residential electricity consumers are considering rooftop photovoltaic (PV) and behind-the-meter (BTM) battery energy storage systems (BESS) now more than ever.



[The Complete Guide to Rooftop Solar Power in 2025](#)

Everything you need to know about rooftop solar power in 2025. From costs and savings to installation and maintenance - your complete guide to home solar panels.

[A Consumer's Guide To Rooftop Solar & Home Energy Storage](#)

To help homeowners tackle this tangle of information, PNNL researchers Jessica Kerby and Bethel Tarekegne published an open-access guide to rooftop solar and BESS in Renewable



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<https://kephamatraining.co.za>