

**Espay Solar Energy S.L.**

# **Measurement of solar power generation in California**



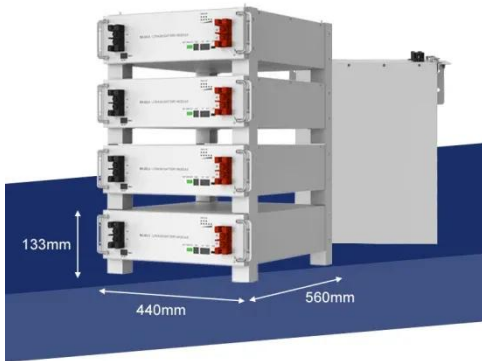
## Overview

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Statewide electricity generation data for the 12 months ended April 2025 confirms a historic milestone: solar energy outpaced natural gas, delivering 83.1 terawatt-hours (TWh) compared to gas's 81.6 TWh—making solar the “largest single contributor” with 33.9% of total power. Photovoltaic (foreground) and Solar water heating (rear) panels located on rooftops in Berkeley, California. Solar power has been growing rapidly in the U. California Distributed Generation Statistics (DGStats) is the California Public Utilities Commission's official public reporting site of all distributed generation projects that are on a customer's site or property in California's investor-owned utility service territories. The Golden State leads the nation in several of the most important solar categories—a testament to the state's dedication to solar. California solar hits #1 in energy production — but the 30% tax credit ends soon. According to the S&P Global Market Indicative Forecast.

## Measurement of solar power generation in California

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### Estimated Annual Clean Energy

Electricity generation data is collected for power plants with nameplate capacities greater than 1MW located within California or within a control area with California end users.

### California Solar News and Statistics - Forbes Home

Want to know the latest statistics about solar energy in California in 2025? See the facts here from original research conducted by the Forbes Home team.



### Gas is out, solar is in: Here's what's driving California's solar surge

It's still early into 2025--and the dead of winter--yet solar is meeting nearly 100% of California's grid demand. Solar energy generation is up 33.5% year over year while gas use is down 28.4%.

### Solar Became California's #1 Power Source in April 2025

Nationally, solar achieved 10.6% of U.S. electricity in April, while California contributed nearly 42% of its power from solar at peak. This surge is crucial--but without urgent homeowner ...



### **Rapid solar build continues to cloud sunny economics in California**

According to the S& P Global Market Indicative Forecast for the September quarter of 2025, about 219.8 GW of renewables are expected to be built in California by 2035 -- roughly 75.5% solar -- ensuring ...

### **CaliforniaDGStats**

California Distributed Generation Statistics (DGStats) is the California Public Utilities Commission's official public reporting site of all distributed generation projects that are on a customer's site or ...



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### **California leads the country in solar power generation**

By the numbers: California generated 68,816 gigawatt-hours (GWh) of electricity from solar power in 2023, up

9% from 2022, per an analysis from the research nonprofit Climate Central. ...



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### **Solar Generation In California Increased Almost 20-Fold In The Last ...**

The California Energy Commission just released energy data showing that solar power electricity production in California increased almost twenty times since 2012.



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### **California continues to set daily records for utility scale solar**

With rapidly growing utility-scale solar capacity, CAISO has regularly recorded new hourly output records going back to 2010 when it first began publishing the daily data.



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### **Solar power in California**

Below is a table of annual and monthly utility-scale solar generation, including thermal and PV generation, alongside the percentage of total annual CA

energy generation and percentage of all  
US ...



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