

# National electricity price policy for solar power generation



## Overview

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These benchmarks help measure progress toward goals for reducing solar electricity costs and guide SETO research and development programs. A renewable energy certificate (REC) is a market-based instrument that represents the property rights to the environmental, social, and other non-power attributes of renewable electricity generation. Solar RECs (SRECs) are created for each megawatt-hour of electricity generated from solar energy. Targeting improved performance and reliability with reduced cost, the U. Department of Energy's Solar Energy Technologies Program (Solar Program or SETP) focuses research, development, and deployment projects<sup>2</sup> and activities in two technology areas<sup>3</sup>: Photovoltaics (PV) and Concentrating Solar. The Annual Energy Outlook 2025 (AEO2025) explores potential long-term energy trends in the United States. AEO2025 is published in accordance with Section 205c of the Department of Energy Organization Act of 1977 (Public Law 95-91), which requires the Administrator of the U. The focus is on ground-mounted systems larger than 5M AC, including photovoltaic (PV) standalone and PV+battery hybrid projects (smaller projects are covered in Berkeley Lab's. At the federal level, there are several key policies, programs, and regulations that impact the development of solar PV and other renewable energy projects, influencing project procurement options, economics, and development timelines. 9% of total electricity generation in 2021, compared to 0.

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Display screen  
Linux operation system  
quad-core processors  
smooth and stable system

### Solar Energy Program Overview

The target residential and commercial price targets are based on current retail electricity prices and take into consideration EIA's projection that electricity prices will remain fairly constant (in real terms) ...

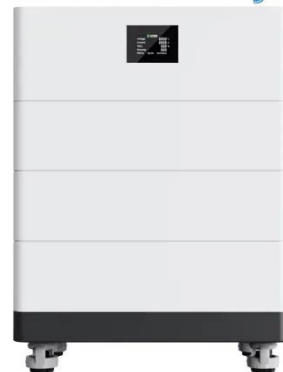
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### Solar Energy Toolkit: The Federal and State Context

At the federal level, there are several key policies, programs, and regulations that impact the development of solar PV and other renewable energy projects, influencing project procurement ...

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### High Voltage Solar Battery



### Red states could see a sharp jump in power prices under new law : NPR

In states without policies to drive renewable energy, power prices could surge as federal tax incentives for clean energy disappear, according to Energy Innovation, a think tank.

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### Policies and Regulations , US EPA

This page describes the patchwork of federal, state, and local policies and regulations pertaining to renewable energy systems that impact project development.

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### Solar Energy: Frequently Asked Questions

The first set of questions looks at different technologies that use solar energy to generate electricity and their costs and prevalence over time. Costs for all components of solar photovoltaic ...

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### U.S. Utility-Scale Solar, 2025 Data Update , Energy Markets & Planning

Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U.S. utility-scale solar sector.

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### Green Power Pricing , US EPA

Compliance-eligible RECs (excluding solar RECs) have reached \$60 per megawatt-hour (MWh) in some states in the last few years.

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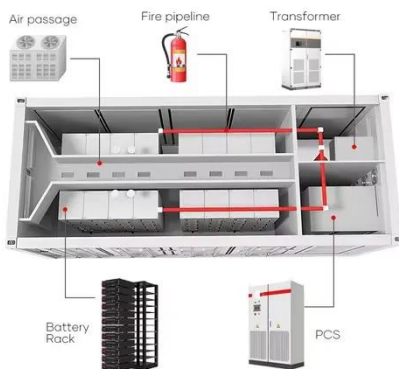


## Solar Photovoltaic System Cost Benchmarks

These benchmarks help measure progress toward goals for reducing solar electricity costs and guide SETO research and development programs. Read more to find out how these cost benchmarks are ...



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## Annual Energy Outlook 2025

In addition to changes to NEMS, we also updated the way we calculate primary energy consumption of electricity generation from noncombustible renewable energy sources such as solar, ...

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## REPORT: Solar and Storage Dominate New Power Additions in First ...

Even as the Trump administration rolled out a series of anti-clean energy policies,

solar and storage still accounted for 82% of all new power added to the grid in its first six months.

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