

# Photovoltaic panel cost trend analysis report



## Overview

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We compiled our platform median solar panel pricing data from more than 95% of the U.S. NREL's solar technology cost analysis examines the technology costs and supply chain issues for solar photovoltaic (PV) technologies. This work informs research and development by identifying drivers of cost and competitiveness for solar technologies. Department of Energy (DOE) Solar Energy Technologies Office (SETO) and its national laboratory partners analyze cost data for U.S. These benchmarks help measure progress toward goals for reducing solar electricity costs. The U.S. solar industry installed 43.2 gigawatts direct current (GWdc) of capacity in 2025, a 14% decrease from 2024. The utility-scale sector shrank nearly 40% quarter-over-quarter in the fourth quarter. SEIA reported that the United States installed 50.5 generation capacity, though still a growing percentage of the U.S. electric. At Anza, we provide solar PV data, analytics, services, and market intel to help our clients with project optimization and procurement decision-making. Our deep supplier relationships, relevancy, and scale enable us to aggregate pricing, availability, and product and manufacturer data from across. For the purpose of this report, distributed systems consist of residential systems, roof-mounted non-residential systems, and ground-mounted systems up to 5 MWAC. Ground-mounted systems larger than 5 MWAC are covered in Berkeley Lab's companion report, Utility-Scale Solar.

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### Solar Market Insight Report - SEIA

Our annual Year in Review report includes a 10-year outlook for every segment. We expect cumulative US solar capacity to nearly triple from 279 GWdc installed at year-end 2025 to

### Spring 2025 Solar Industry Update

EnergySage reported that the median gross cost of stand-alone PV was \$2.65/Wdc in the second half of 2024. Module spot prices rose 2% in Q1 2025 and remained around \$0.09/Wdc.



### SOLAR AND STORAGE MARKETPLACE REPORT

Access unparalleled insight into the residential solar market in the U.S. through reports built from real quotes submitted by real installers to real homeowners through the EnergySage platform.

### [Solar Technology Cost Analysis](#) , [Solar Market Research & Analysis](#)

NLR's solar technology cost analysis examines the technology costs and supply chain issues for solar photovoltaic (PV) technologies. This work informs research and development by



### Solar Photovoltaic System Cost Benchmarks

The U.S. Department of Energy's solar office and



### Tracking the Sun

Tracking the Sun Pricing and Design Trends for Distributed Photovoltaic Systems in the United States

its national laboratory partners analyze cost data for U.S. solar photovoltaic systems to develop cost benchmarks to measure progress towards goals and



### Solar Module Pricing Insights , Anza

We compiled our platform median solar panel pricing data from more than 95% of the U.S. supply into a free quarterly pricing insights report. This trend data tells the story of the U.S. distributed generation

### PV Price Trends , TrendForce

Through detailed survey cross-survey of data from major suppliers and procurement parties, Green Energy Research is able to provide an accurate weekly report on spot prices of key



### Photovoltaics Report

The intention of the >>Photovoltaics Report<< is to provide up-to-date information on the PV market and on efficiencies of solar cells, modules and systems. Moreover, data on inverters, energy payback time

[Solar Panel Cost Trends 2025: Price Drops. Market Analysis & Future](#)

Curious about solar panel cost trends in 2025?

Discover how prices dropped 90% since 2010, current projections, and factors affecting installation costs. Click for expert insights!



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