



U s solar photovoltaic system cost benchmark q2 2017

Fu, Ran, David Feldman, Robert Margolis, Kristen Ardani, and Mike Woodhouse. 2017. "NREL U.S. Solar Photovoltaic System Cost Benchmark Q1 2017 Report." NREL Data Catalog. Golden, CO: National Renewable Energy Laboratory. Last updated: July 24

This year, our report benchmarks costs of U.S. solar PV for residential, commercial, and utility-scale systems built in the first quarter of 2017 (Q1 2017). Costs are represented from the perspective of the developer/installer, thus all hardware costs represent the price at which components are purchased by the developer/installer, not ...

Each year, the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) and its national laboratory partners analyze cost data for U.S. solar photovoltaic (PV) systems to develop cost benchmarks. These benchmarks help measure progress towards goals for reducing solar electricity costs and guide SETO research and development programs.

Introduction. NREL has been modeling U.S. photovoltaic (PV) system costs since 2009. This year, our report benchmarks costs of U.S. solar PV for residential, commercial, and utility-scale systems built in the first quarter of 2017 (Q1 2017). We use a bottom-up methodology, accounting for all system and project-development costs incurred during ...

NREL has been modeling U.S. solar photovoltaic (PV) system costs since 2009. This year, our report benchmarks costs of U.S. PV for residential, commercial, and utility-scale systems, with and without storage, built in the first quarter of 2021 (Q1 2021).

Our residential MMP benchmark (\$2.90 per watt direct current [Wdc]) is 24% higher than the MSP benchmark (\$2.34/Wdc) and 9% lower than our MMP benchmark (\$3.18/Wdc) from Q1 2022 in 2022 U.S. dollars (USD). For community solar, our MMP benchmark (\$1.75/Wdc) is 18% higher than our MSP benchmark (\$1.49/Wdc).

This report benchmarks U.S. solar photovoltaic (PV) system installed costs as of the first quarter of 2017 (Q1 2017). We use a bottom-up methodology, accounting for all system and project-development costs incurred during the installation to model the costs for residential, commercial, and utility-scale systems.

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