

A-Core Container

Solar power supply and energy storage cumulative shipments



Overview

What is the global solar PV supply chain worth?

In that last year, the global solar PV chain reached an industrial business value of some 104.7 billion U.S. dollars, with China dominating the market, and followed by the United States and Malaysia. Discover all statistics and data on Global solar PV supply chain now on [statista.com](https://www.statista.com)!.

How many solar panels are shipped each year?

From 2019 to 2024, shipments from the top 10 PV manufacturers grew from 78 GW to 533 GW, with some companies shipping more than 75 GW annually. Approximately half of 2024 shipments came from the top six companies. Excludes inventory sales and outsourcing. From 14.8% to 20.8% for c-Si technologies (in California and New York distributed PV systems).

How many GW of PV shipments are there in 2024?

Note: Price based on winning quoted price. SPV Market Research reported that 2024 global PV shipments were approximately 770 GW—an increase of 37% from 2023, with 90% of the increase coming from China. 98% of PV shipments were mono c-Si technology, with 58% TOPCon.

How much energy storage does the United States have in 2024?

EIA reports that the United States installed approximately 10.9 GWac of energy storage onto the electric grid in 2024—up 53% y/y as a result of high levels of deployment in all sectors. – EIA reported a 49% increase in utility-scale, a 99% increase in C&I, and a 102% increase in residential storage installations in 2024 y/y.

How many states use solar energy in 2024?

In 2024, 24 states and territories generated more than 5% of their electricity from solar, with California leading the way at 32.4%. The United States installed approximately 31.1 GWh (12.3 GWac) of energy storage onto the

electric grid in 2024—bringing cumulative capacity to 96.0 GWh (33.6 GWac).

How many GWAC will solar power be in 2024?

At the end of 2024, cumulative PV capacity in the United States was approximately 175 GWac. EIA analysts project that, under laws and regulations that were in effect as of December 2024, cumulative utility-scale PV capacity will reach 305–655 GWac by 2035 and 480–996 GWac by 2050.

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