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The United States downgrades PV module exports



Overview

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This report includes summary data for the photovoltaic industry from annual and monthly respondents. Data include manufacturing, imports, and exports of modules in the United States and its territories. Summary data include volumes in peak kilowatts and average prices. Where possible, imports and.

Clean Energy Associates (CEA) issued a global PV cell and module supply report, noting that the United States' supply chain is "more than sufficient" for current deployment levels. The report noted that a slow Q2 and Q3 for deployment in 2024 has led to a sufficient level of supply from PV imports.

NREL conducts analysis of solar industry supply chains, including domestic content, and provides quarterly updates on important developments in the industry. These analyses draw from data collected through a combination of third-party market reports, primary interviews, and publicly available data.

On April 2, 2025 (US Eastern Time), the White House issued Executive Order No. 14257, invoking the International Emergency Economic Powers Act (IEEPA) and its relevant laws to impose tariffs on most countries worldwide. A 10% baseline tariff was scheduled to take effect on April 5, followed by.

The United States can expand production of thin-film modules, which do not rely on obtaining materials from Chinese companies. The thin film supply chain is concentrated in Ohio. What components make up the supply chain for solar photovoltaics?

The supply chain for solar PV has two branches in the.

The US PV market is undergoing major policy changes, with the most significant shift stemming from the anti-dumping and countervailing duties (AD/CVD) on PV modules and cells from Southeast Asia, which are reshaping the non-China PV supply chain. In December 2024, the US Department of Commerce. Why are PV modules being delayed in the United States?

The rapid rise in delays between mid-2021 and late 2022 corresponded with constrained importation of PV modules into the United States, related to issues including policies that targeted China's alleged use of forced labor (WRO on Hoshine, UFLPA), the AD/CVD circumvention investigation, and COVID-related supply chain disruptions.

Which countries import PV modules?

The total for all types of PV modules is provided. Table 7. Information in Table 7 covering imports has been consolidated into four categories: China, Singapore, Taiwan & Vietnam; Malaysia; South Korea, Thailand, and United Arab Emirates; and All Others and Unknown. All Others and Unknown includes data from annual and monthly respondents.

Do I need to report a monthly photovoltaic module shipment report?

Beginning in January 2017, we required some of the respondents for the annual survey Form EIA-63B, Photovoltaic Module Shipments Report, to report monthly data. The subset of respondents now must report monthly accounts for about 90% of photovoltaic (PV) activity in the United States, based on 2021 data.

Can data be published for different types of PV cells & modules?

Data can no longer be published for the specific types of PV cells and modules, or by region. Table changes: Table 1. Not published for 2022. Table 2. Unchanged, includes data from annual and monthly respondents. Table 3. Unchanged, includes data from annual and monthly respondents. Table 4.

What percentage of PV projects are delayed in 2022?

In the EU, utility-scale PV made up 34% of new additions (down 6% from 2022), commercial and industrial PV made up 33% of new additions (up 4% from 2022), and residential PV made up 33% of new additions (up 2% from 2022). A large extent of growth in the EU residential sector stems from

delayed 2022 projects.

How much does a PV system cost?

The median price for residential PV systems reported by EnergySage increased 6.3% y/y to \$2.8/Wdc—in-line with mid-2020 price levels. Global polysilicon spot prices fell 22% from mid-January (\$8.70/kg) to late April (\$6.76/kg), approaching the lowest nominal price seen over the past decade.

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