

PDEOZE PowerContainer

U S solar module exports



Overview

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 exports are listed by country, and shipments to the United States are listed by state.

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A Solar Energy Industries Association report indicates that the U.S. solar manufacturing pipeline is robust, however, Trump Administration policies, regulations and trade actions could stall progress and dampen demand for U.S.-made products. Once a dream, now reality: the Solar Energy Industries.

New data from the Solar Energy Industries Association (SEIA) shows that the US solar supply chain has been fully reshored, with manufacturing capacity growing across every part of the solar and storage sector. With Hemlock's new ingot and wafer facility coming online in Q3 2025, the US can now.

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.

As of October 2025, the United States has surpassed 60 gigawatts (GW) of domestic solar module production capacity, a 37% increase from December 2024. The surge in production of downstream components like modules has ensured there is sufficient demand for upstream manufacturing. Since the end of.

With Corning's Michigan silicon ingot and wafer factory online, the U.S. can now produce all major components. An employee works at the Turkish PV manufacturer Kalyon Solar Technologies ingot-to-module solar factory on Dec. 1, 2021, in Ankara, Turkey. The U.S. has pushed to onshore solar.

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The U.S. solar manufacturing pipeline remains robust, with 23 GW of solar module capacity, over 34 GW of solar cell capacity, 25 GW of inverter capacity, and 95 GWh of battery ...

Following the initial tariffs in June, solar panel exports from Vietnam, Malaysia, Thailand, and Cambodia to the US decreased by 33% year-over-year over the subsequent nine months.

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Massive levels of imports, driven by Chinese overproduction of solar modules and components and exports worldwide, has put the U.S. manufacturing industry in crisis.

New SEIA data show that the US can now manufacture every solar component domestically, but Trump policies threaten \$31 billion in projects.

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NREL conducts detailed supply chain analysis for specific photovoltaic module technologies. These analyses include production locations, supply chain risk and costs, and ...

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