

ContainerPower Energy Solutions

How many manufacturers produce solar panels



Overview

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This is a current grouping of solar manufacturers in the United States that produce solar panels and their associated materials for the traditional residential, commercial and utility-scale markets. This data is collected by Solar Power World editors and will be continually updated as facilities.

Today, US solar manufacturing facilities can produce over 51 gigawatts (GW) of solar modules annually —enough capacity to meet nearly all domestic demand for solar installations. This manufacturing renaissance spans the entire supply chain, from polysilicon production to complete solar panel.

The U.S. Solar Photovoltaic Manufacturing Map shows only active manufacturing sites that contribute to the solar photovoltaic supply chain. It details their nameplate capacities, or the full amount of potential output at an existing facility, where known. This does not imply that these facilities.

Solar panel manufacturers in the USA are steering record-breaking solar installations in 2025. According to the US Department of Energy, in Q1 of 2025, the US installed a capacity of 10.8 GWdc of new solar capacity, while 8.6 GW of module manufacturing capacity was added. Texas and Florida recorded.

Solar panel manufacturers have thrived despite some hurdles throughout the period. Companies saw an uptick in the need for solar panels as the country continued emphasizing renewable energy. The Inflation Reduction Act bolstered and extended production and investment tax credits, making domestic.

In 2025, the top five solar panel manufacturers in the U.S. based on production capacity are: Although some of these companies are foreign-owned, they all manufacture solar panels on American soil, providing jobs for thousands of workers. Let's take a closer look at these leading solar.

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