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Solar inverter foreign trade





Overview

How will tariffs affect solar panels & inverters in 2025?

In summary, as of April 2025 we see solar panel prices up by 20-40% (depending on origin), inverters up ~10-30%, and battery costs up significantly (~30% or more) compared to pre-tariff levels. These increases correlate directly with the reciprocal tariff rates imposed (34% on China, 36-49% on SE Asia, etc.), underlining the tariffs' impact.

Which solar companies do not incur import tariffs?

Other "Domestic" Suppliers: A few manufacturers with U.S.-based production or assembly – such as Hanwha Qcells (Georgia factories), First Solar (Ohio), Mission Solar (Texas), and Silfab (Washington) – do not incur these import tariffs on their U.S.-made panels. They have an effective price advantage now.

Are microinverters tariff-free?

Some microinverters and power electronics, which often were made in Asia, are similarly affected – however, companies like Enphase (U.S.) anticipated tariffs and diversified manufacturing to Mexico and India in recent years, meaning a portion of inverter supply is tariff-free.

What are the key areas of innovation in the inverter market?

A focus on software solutions for advanced energy management and using hybrid inverters to pair solar PV with energy storage have been key focus areas of innovation in the inverter market in recent years. The following visuals tell the full story.



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