

## **PDEOZE PowerContainer**

# **European and American solar panel orders**



## Overview

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How many solar panels are installed a day in Europe?

Solar PV installations have experienced an unprecedented increase over the past years in the world, including in Europe. The 60 GW new capacity added in 2023 in Europe means 306,000 solar panels are installed per day, resulting in 263 GW of cumulative installations.

Are European solar PV manufacturers benefiting from Chinese competition?

Installed solar photovoltaic (PV) capacities are experiencing an unprecedented increase in Europe: in two years, they have been multiplied by two with 60 GW added in 2023. However, local solar PV manufacturers are not benefiting from it as the Chinese competition is knocking them down.

How can Chinese solar panels overcome trade restrictions?

Chinese solar panel manufacturers aim to surmount the unprecedented trade restrictions they face in the U.S. and Europe using three key strategies: building factories directly in the U.S., building factories in new third-party markets and continuing direct exports where it makes financial sense to do so.

Is the solar industry closing down in Europe?

While solar photovoltaic (PV) installations are booming in Europe (and in other parts of the world), the local industry is closing down. In 2023, an estimated total of nearly 60 gigawatts (GW) of new solar capacities were added to the grid in Europe, a 40% increase compared to 2022.

Could NZIA create a new generation of solar PV manufacturers?

Europe's answer, the Net Zero Industry Act (NZIA), a tougher approach to China's imports and national support measures, could create a new generation of solar PV manufacturers in Europe. While solar photovoltaic (PV)

installations are booming in Europe (and in other parts of the world), the local industry is closing down.

What is the EU export value of solar panels?

By contrast, the EU export value of wind turbines (€2.8 billion) was much higher than the corresponding value for imports. The EU import value of solar panels decreased by 43% between 2023 and 2024 (see Figure 2), due to a drop in prices, even though the quantity imported slightly increased by +2%.

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