



MODERNIZATION SOLAR

European Union solar container lithium battery factory





Overview

How many lithium-ion battery factories are planned in Europe by 2030?

Close to 50 lithium-ion battery factories are planned in Europe by 2030. However, almost 70% of the potential battery cell capacity in Europe is at risk due to various factors, including competition from the US and China, project maturity, funding challenges, and permit issues.

Are US subsidies threatening Europe's Lithium-ion battery factories?

Close to 50 lithium-ion battery factories are planned for Europe by 2030, but US subsidies and other factors pose a new threat to these nascent projects. T&E looked at 1 project maturity, funding, permits and companies' links to the US to analyse how much of Europe's 1.8 TWh battery factory potential is at risk:.

How big is Europe's battery manufacturing capacity in 2023?

Additionally, Europe's total installed battery manufacturing capacity had reached 167 GWh in 2023 (capacity utilisation rates of battery plants are not 100 %). Source: European Commission, Dashboard towards zero-emission vehicles, April 2024.

How many battery factories are there in Europe?

This, coupled with the ongoing competition with China, is why it is anticipated that around 250 battery factories will be established in Europe over the next ten years. By the end of last year, approximately 20 projects had been confirmed in European states such as France, Germany, Italy, and the United Kingdom.



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T& E Battery risk report

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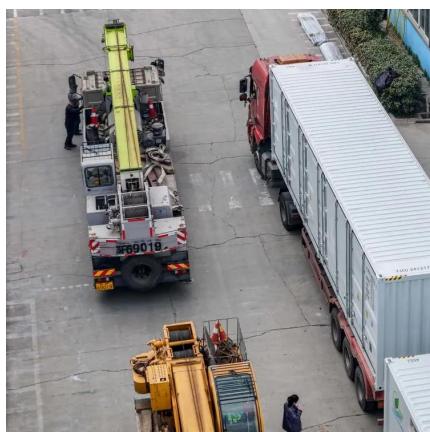
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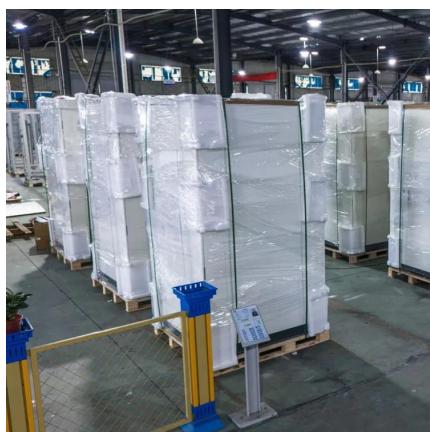
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Powering the EU's future: Strengthening the battery ...

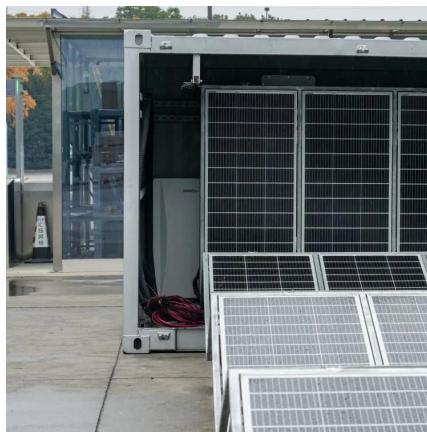
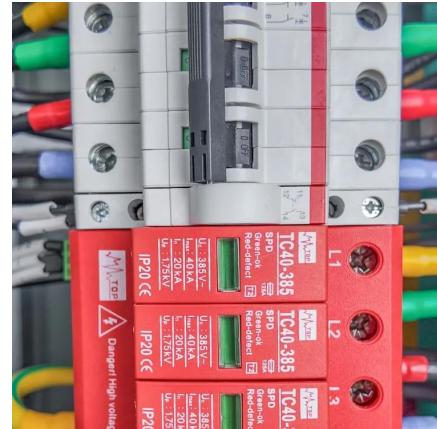
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Where are the Gigafactories for batteries in ...

There are 42 Gigafactories for electric car batteries in Europe. Of these, 38 are located in 17 EU countries. Germany leads the way, followed by France.



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