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Canada is selling energy storage batteries



Overview

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Nextstar Energy Ltd. will produce batteries for energy storage, not electric vehicles, when its gigafactory in Windsor, Ont. begins commercial production next month. Expanding into the growing market for energy storage production will keep the plant busy until EV sales pick up again, said Danies.

The NextStar electric vehicle battery plant in Windsor says it will be prioritizing energy storage system batteries — which store power for future use — when production begins this month. While the first batteries produced at the plant will not be for EVs, NextStar says facility can produce both at.

WINDSOR, ON, Nov. 3, 2025 /CNW/ - NextStar Energy, Canada's first large-scale lithium-ion battery manufacturing facility, is expanding its operations to include the production of energy storage system (ESS) batteries. Starting this month, the Windsor-based plant will begin manufacturing advanced.

The installed capacity of energy storage larger than 1 MW—and connected to the grid—in Canada may increase from 552 MW at the end of 2024 to 1,149 MW in 2030, based solely on 12 projects currently under construction 1. There are an additional 27 projects with regulatory approval proposed to come.

NextStar Energy, the battery joint venture between Stellantis and LG Energy Solution, will start series production of battery cells at its factory in Windsor, Ontario, Canada, next month - but not for electric cars initially. If the battery plant in Windsor does indeed officially switch to series.

Canada's energy storage market is experiencing a surge in 2025, with lithium-ion batteries, including the increasingly popular LiFePO4 (lithium iron

phosphate) variant, at the heart of this transformation. As the country pushes toward a low-carbon future, energy storage is becoming essential for.

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