

# Energy storage battery production area



## Overview

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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.

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.

NextStar Energy, the LG Energy Solution and Stellantis joint venture in Windsor will begin producing lithium iron phosphate ESS batteries alongside existing NCM lines, boosting annual capacity and balancing EV mobility and grid storage demand. NextStar Energy, the equal-share joint venture between.

Due to increases in demand for electric vehicles (EVs), renewable energies, and a wide range of consumer goods, the demand for energy storage batteries has increased considerably from 2000 through 2024. Energy storage batteries are manufactured devices that accept, store, and discharge electrical.

Batteries became the main energy storage technology in the United States in 2024, surpassing hydro pumped storage. After showing a year-over-year increase of 80 percent in 2023, the capacity of battery storage installations in the U.S. was projected to reach almost 30 gigawatts by the end of 2024.

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