



Ford uses cylindrical lithium batteries





Overview

As of mid-2025, Ford sources batteries for EVs like the great Mustang Mach-E from Poland, but that's set to change. Production is expected to shift to LG Energy Solution's plant in Holland, Michigan, sometime in 2025. Ford completed construction at BlueOval Battery Park Michigan as it prepares to begin US-based LFP battery cell production for next-gen EVs Ford has completed construction on BlueOval Battery Park Michigan in the US, a facility focussed on lithium iron phosphate (LFP) battery cells. The company. Our state-of-the-art lithium iron phosphate (LFP) battery cell production equipment is already operational, producing C-sample cells at our equipment supplier location off-site. Having this work done and team members trained in parallel speeds up the commissioning process once the equipment arrives. Virtually all modern battery-electric vehicles (BEVs) rely on lithium-ion chemistry, but the cells themselves come in three main form factors. Each format offers specific benefits that influence driving range, packaging, and charging performance. Production is expected to shift to LG Energy. Charles Poon, director of electrified propulsion engineering at Ford, revealed on LinkedIn that the automaker has been working on utilizing Lithium Manganese Rich (LMR) battery chemistry for its upcoming electric vehicles, and that the chemistry will be scaled and integrated into production. Ford advances clean energy with its US\$3bn BlueOval Battery Park in Michigan, producing LFP batteries to cut costs, boost EV adoption and create 1,700 jobs Ford is advancing its clean energy ambitions at BlueOval Battery Park Michigan, a facility dedicated to producing lithium iron phosphate (LFP).



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[Ford Presses Ahead With LFP Battery Production in the US, While LG](#)

Ford announced that its US-made LFP cells will enter production in 2026, allowing it to produce "truly affordable vehicles." The production facility is located in Marshall, Michigan, where Ford

[How Ford And GM Are Plotting A Battery Breakup With China](#)

Ford, on the other hand, is eyeing lower-cost EVs, with the flexibility to use cylindrical or pouch formats. "We can do it with any format that exists today," Poon said.



- ✓ LIQUID/AIR COOLING
- ✓ INTELLIGENT INTEGRATION
- ✓ PROTECTION IP54/IP55
- ✓ BATTERY /6000 CYCLES



[Will Ford's US\\$3bn Sustainable Battery Park Transform EVs?](#)

Ford is positioning LFP chemistry as a cornerstone of its next-generation EVs. Known for being the lowest-cost battery technology currently available for automotive use, LFP offers ...

[Ford-Owned American LFP Battery Plant Paves Way for Next-Gen ...](#)

We remain on track to start production of these prismatic LFP batteries next year. Our ambition for vertical integration in the right places within our battery supply chain remains a key priority and is



...



[Why Ford Is Expanding a Partnership With Top Chinese Battery](#)

Because imported Chinese batteries are already widely used for energy storage in the US and the project fits within the Trump administration's goals to reduce reliance on key Chinese ...

Where Does Ford Get The Batteries For Its EVs?

As of mid-2025, Ford sources batteries for EVs like the great Mustang Mach-E from Poland, but that's set to change.



EV Battery Cell Types, Components & Structure

Discover EV battery cell types, components and structure in our comprehensive guide. Learn about cell formats, parts and how they work in electric vehicles.

[Ford Announces Breakthrough With LMR](#)



Battery Chemistry

According to Poon, Ford's LMR battery technology has three main benefits when compared to existing chemistries: safety, energy density, and cost reduction. For the latter, this ...



Can Ford Transform EVs with US-made LFP Battery Cells?

Ford has completed construction on BlueOval Battery Park Michigan in the US, a facility focussed on lithium iron phosphate (LFP) battery cells. The company says this is the first time an ...

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Ford announced plans in 2023 to build a \$3 billion battery plant in Michigan making battery cells using tech from CATL. The plant is expected to begin production this year.





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