

# **LFP battery system project financing options in Spain 2030**





## Overview

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How much will stellantis invest in a large-scale LFP battery plant?

Stellantis and CATL to Invest Up to €4.1 Billion in Joint Venture for Large-Scale LFP Battery Plant in Spain Standing: John Elkann, Stellantis Chairman and Robin Zeng, Chairman & CEO of CATL. Seated: Maxime Picat, Stellantis Chief Purchasing and Supplier Quality Officer and Libin Tan, Chief Customer Officer, President of Sales & Marketing of CATL.

Why is stellantis launching a new battery facility in Spain?

The new facility in Spain will further support e-mobility and energy transition efforts in Europe and globally. Stellantis is pursuing a dual-chemistry battery approach, utilizing both lithium-ion nickel manganese cobalt (NMC) and lithium iron phosphate (LFP) to meet diverse customer needs.

Why are battery storage options more suitable in Spain?

As a result, shorter duration storage options like batteries are more suitable in Spain. In Spain, over 50% of excess renewable energy occurs in periods where there is continuous excess for less than 12 hours i.e. a battery that chooses to charge on this energy would be able to discharge within 12 hours.

How long does it take a battery to charge in Spain?

In Spain, over 50% of excess renewable energy occurs in periods where there is continuous excess for less than 12 hours i.e. a battery that chooses to charge on this energy would be able to discharge within 12 hours. This allows batteries to charge and generate within a day.

Why does Spain's Bess pipeline lag compared to Italy's?

Spain's BESS pipeline lags equivalent markets. Despite having a small install base, Italy's current install base and 2030 pipeline is 6.8x that of Spain's due to the presence of a Capacity Market and Firm Reserve (similar to FCR) tenders.



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### [The Evolution of LFP Battery Technology in Europe](#)

Europe's LFP battery sector stands at an inflection point, with 2025 marking the transition from emerging technology to mainstream solution. While challenges remain in ...

### **Stellantis and CATL partner on EUR4.1B LFP battery plant in Spain**

Stellantis and CATL, a Chinese battery manufacturer based in Fujian, have reached an agreement to invest up to EUR4.1 billion in a joint venture to build a large-scale lithium iron ...



### **Stellantis and CATL to invest up to EUR4.1B in large ...**

Stellantis and CATL to invest EUR4.1 billion in joint venture for LFP battery plant in Spain, boosting Stellantis's electric vehicle offerings in Europe.



### **Cost Projections for Utility-Scale Battery Storage: 2023 ...**

Figure ES-2 shows the overall capital cost for a 4-hour battery system based on those projections, with storage costs of \$245/kWh,



\$326/kWh, and \$403/kWh in 2030 and \$159/kWh, \$226/kWh, ...



### [Stellantis & CATL Invest US\\$4.43bn LFP Battery Plant](#)

Stellantis & CATL will build a US\$4.43bn LFP battery plant in Spain by 2026, boosting EV production with a 50 GWh capacity & advancing sustainability goals In a ...



### **Utility-Scale Battery Storage , Electricity , 2024 , ATB , NREL**

The projection with the smallest relative cost decline after 2030 showed battery cost reductions of 5.8% from 2030 to 2050. This 5.8% is used from the 2030 point to define the conservative cost ...



### **Envision Energy Breaks Ground on Battery Gigafactory in Spain**

The Envision Energy factory in Spain will develop and manufacture the latest generation of lithium iron phosphate (LFP) battery products, with production expected to begin ...





### Stellantis and CATL to Build LFP Battery Plant in Spain

Stellantis and CATL have agreed on a joint venture to build a lithium iron phosphate (LFP) battery plant in Spain worth four billion euros.



### **Stellantis and CATL to Build EUR4.1B LFP Battery Plant in Spain**

Stellantis and CATL to open a EUR4.1B LFP battery plant in Zaragoza, Spain, by 2026, with up to 50 GWh capacity to boost affordable electric vehicles.

### **The European LFP Battery Revolution: National Champions and ...**

1. Germany: The Industrial Powerhouse Policy Framework National Battery Strategy: EUR2.4 billion allocated for LFP-related R& D through 2030 Automotive Mandates: ...



### **Stellantis And CATL Jointly Invest EUR4.1 billion To Build ...**

Stellantis and CATL today announced they have reached an agreement to invest up to EUR4.1 billion to form a joint venture that will build a large-scale European lithium iron phosphate (LFP) battery plant in Zaragoza, Spain.



[Charted: Battery Capacity by Country \(2024-2030\)](#)

Charted: Battery Capacity by Country (2024-2030) As the global energy transition accelerates, battery demand continues to soar--along with competition between battery chemistries. According to the International Energy ...

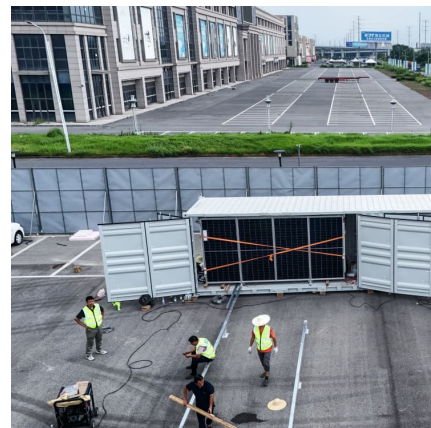


**Energy Storage in Europe**

Note: Required spread for a two-hour battery project assuming revenues cover project costs of EUR360,000/MWh in 2024, for previous years assumes BNEF's Europe energy storage system ...

**Statkraft wins enviro approval for 23.9-MW LFP BESS project in Spain**

Norwegian power producer Statkraft AS said on Tuesday it has secured environmental approval for its 23.87-MW Talayuela II battery energy storage system (BESS) ...





### **Stellantis and CATL to Build EUR4.1B Lifepo4 Battery Plant in Spain**

Overview of the Joint Venture Stellantis and CATL will jointly invest up to EUR4.1 billion in this large-scale European battery facility, designed to be fully carbon-neutral. The project will be ...

### **LFP Battery Orders Have Made A Strong Comeback, With ...**

Lopal, together with the Indonesia Investment Authority, plans to build an LFP material factory in Indonesia with an annual capacity of 120,000 mt. Wanrun New Energy is ...



### [\[2024 Review\] The Global Expansion of LFP Batteries](#)

By 2030, Europe alone is expected to require 750 GWh of LFP batteries annually for EVs and energy storage. Innovations in battery technology will improve energy density and further reduce costs.

### **Utility-Scale Battery Storage , Electricity , 2023 , ATB**

Though the battery pack is a significant cost portion, it is a minority of the cost of the battery system. The costs for a 4-hour utility-scale stand-alone battery are detailed in Figure 3.



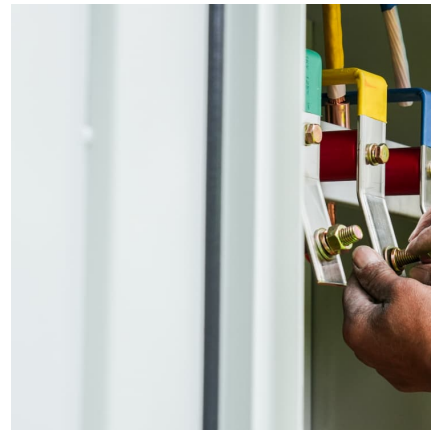
### **Stellantis strengthens its electric strategy with LFP battery plant in**

As part of the energy transition, Stellantis continues to expand its electric battery manufacturing capabilities. The Group announces a major investment with CATL to ...



### **The Roadmap**

The Battery 2030+ roadmap covers different research areas like battery functionality, interfaces, manufacturability, recycling, raw materials and safety. Short-, medium- and long-term goals for progressing towards the vision are ...



### [Stellantis & CATL Boost EV Manufacturing Capacity](#)

Despite recent high-profile challenges, Stellantis continues to uphold its strategic commitments to EV manufacturing. Stellantis and CATL have announced an ...





### Stellantis and CATL to build EUR4.1B battery plant in Spain

Electronics Production , December 10, 2024  
Stellantis and CATL to build EUR4.1B battery plant in Spain  
Stellantis and CATL say that the companies will invest up to EUR 4.1 billion to form a joint venture to build a ...



### [Stellantis and CATL to Build LFP Battery Plant in Spain](#)

According to Stellantis, the project is part of its "Dare Forward 2030" plan. By producing LFP batteries, the company aims to reduce the cost of electric mobility. Stellantis ...



### CATL And Stellantis Jointly Build Battery Factory In ...

The Zaragoza plant of globally recognized automotive manufacturing giant Stellantis is partnering with CATL, the world's largest manufacturer of electric vehicle batteries, to expand its automotive battery ...



### [Stellantis-CATL JV to bolster Europe's LFP build out](#)

Stellantis and CATL have confirmed a EUR4.1 billion (\$4.3 billion) investment to produce lithium iron phosphate (LFP) cells in Spain, furthering Europe's growing LFP capacity. The two companies ...



### **ICL and Dynanonic Announce Joint Venture to Produce Lithium ...**

According to Yahoo Finance, on January 16, ICL and Shenzhen Dynanonic Co., Ltd. have signed a joint venture (JV) agreement to establish a lithium iron phosphate (LFP) ...



### **Stellantis and CATL Plan for EUR4.1 Billion Mega LFP ...**

Stellantis and Contemporary Amperex Technology Co., Limited (CATL) have announced an ambitious EUR4.1 billion joint venture to build an exceptional lithium iron phosphate (LFP) battery plant in Zaragoza, Spain. This ...

### **Lithium-Ion Battery (LiB) Manufacturing Landscape in India**

This report also highlights the challenges for the battery pack and cell manufacturing industry in India. End-use customers are wary of the battery pack and battery management system (BMS) ...





### **This is how the initial projects of the 250 battery factories ...**

Over the past six months, new battery industry development projects have been confirmed in various countries across the continent. What are these plans and where would ...

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