

Stellantis partners Ample on EV battery-swapping technology

08-Dec-2023 11:44 GMT

Amit Panday

S&P Global

Supply Chain and Technology, Automotive

The initial program is planned to begin in Madrid in 2024 using a fleet of 100 units of the Fiat 500e within Stellantis' Free2move car sharing service

Stellantis has signed a binding agreement with US-based battery-swap startup Ample Energy to establish a partnership in electric vehicle battery-charging technology capable of delivering a fully charged EV battery in less than five minutes, the carmaker announced Dec. 7.



Source: Getty Images/ Chesky_W

Under the agreement, Stellantis plans to integrate Ample's modular battery-swapping solution in its EVs. The battery-swapping technology will allow an EV customer to swap his depleted EV battery for a fully charged unit in a matter of minutes. The technology is focused on using standard batteries in EVs to achieve a quick turnaround, similar to the time taken in refueling a traditional gasoline or diesel vehicle.

The two companies are also in discussions regarding the expansion of the application of Ample's modular battery-swapping technology to meet Stellantis' fleet and consumer demand across other Stellantis platforms and geographies, the carmaker said.

It further said that the initial program is planned to begin in Madrid in 2024 using a fleet of 100 Fiat 500es within Stellantis' Free2move car sharing service.

Notably, the Fiat 500e is the best-selling EV within Stellantis. The model is sold globally and is an EV leader in multiple European markets.

Commenting on the new partnership, Ricardo Stamatti, Stellantis' senior vice president of Charging and Energy Business Unit, said, "The partnership with Ample is another example of how Stellantis is exploring all avenues that enable freedom of mobility for our electric vehicle customers. In addition to other projects we are focused on, Ample's Modular Battery Swapping solution has the opportunity to offer our customers greater energy efficiency, outstanding performance and lower range anxiety. We are looking forward to executing the initial program with our stellar Fiat 500e."

Ample CEO Khaled Hassounah said, "At Ample, we believe in the importance of making electric vehicles accessible to everyone without compromises, which is the only way that we will make a significant impact on lowering greenhouse gas emissions. Stellantis' ambitious electrification goals, its range of electric vehicles, and the commitment of its leadership, make Stellantis a perfect partner in achieving our goals."

Ample said that its lightweight battery-swapping stations can be deployed in public areas in as little as three days, allowing for a rapidly scalable infrastructure that can meet EV drivers' demand. The company said that its battery technology would be made available to EV customers on a subscription service basis, reducing the upfront total cost of an EV as well as allowing the customer to benefit from always having the latest battery technology, effectively increasing the EV's driving range and lifespan.

CONTACTS

The Americas

+1 877 863 1306

Europe, Middle East & Africa

+44 20 7176 1234

Asia-Pacific

+852 2533 3565

www.spglobal.com/mobility

Copyright © 2025 S&P Global Inc. All rights reserved.

These materials, including any software, data, processing technology, index data, ratings, credit-related analysis, research, model, software or other application or output described herein, or any part thereof (collectively the “Property”) constitute the proprietary and confidential information of S&P Global Inc its affiliates (each and together “S&P Global”) and/or its third party provider licensors. S&P Global on behalf of itself and its third-party licensors reserves all rights in and to the Property. These materials have been prepared solely for information purposes based upon information generally available to the public and from sources believed to be reliable.

Any copying, reproduction, reverse-engineering, modification, distribution, transmission or disclosure of the Property, in any form or by any means, is strictly prohibited without the prior written consent of S&P Global. The Property shall not be used for any unauthorized or unlawful purposes. S&P Global’s opinions, statements, estimates, projections, quotes and credit-related and other analyses are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security, and there is no obligation on S&P Global to update the foregoing or any other element of the Property. S&P Global may provide index data. Direct investment in an index is not possible. Exposure to an asset class represented by an index is available through investable instruments based on that index. The Property and its composition and content are subject to change without notice.

THE PROPERTY IS PROVIDED ON AN “AS IS” BASIS. NEITHER S&P GLOBAL NOR ANY THIRD PARTY PROVIDERS (TOGETHER, “S&P GLOBAL PARTIES”) MAKE ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE PROPERTY’S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE PROPERTY WILL OPERATE IN ANY SOFTWARE OR HARDWARE CONFIGURATION, NOR ANY WARRANTIES, EXPRESS OR IMPLIED, AS TO ITS ACCURACY, AVAILABILITY, COMPLETENESS OR TIMELINESS, OR TO THE RESULTS TO BE OBTAINED FROM THE USE OF THE PROPERTY. S&P GLOBAL PARTIES SHALL NOT IN ANY WAY BE LIABLE TO ANY RECIPIENT FOR ANY INACCURACIES, ERRORS OR OMISSIONS REGARDLESS OF THE CAUSE. Without limiting the foregoing, S&P Global Parties shall have no liability whatsoever to any recipient, whether in contract, in tort (including negligence), under warranty, under statute or otherwise, in respect of any loss or damage suffered by any recipient as a result of or in connection with the Property, or any course of action determined, by it or any third party, whether or not based on or relating to the Property. In no event shall S&P Global be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees or losses (including without limitation lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Property even if advised of the possibility of such damages. The Property should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions.

The S&P Global logo is a registered trademark of S&P Global, and the trademarks of S&P Global used within this document or materials are protected by international laws. Any other names may be trademarks of their respective owners.

The inclusion of a link to an external website by S&P Global should not be understood to be an endorsement of that website or the website’s owners (or their products/services). S&P Global is not responsible for either the content or output of external websites. S&P Global keeps certain activities of its divisions separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain divisions of S&P Global may have information that is not available to other S&P Global divisions. S&P Global has established policies and procedures to maintain the confidentiality of certain nonpublic information received in connection with each analytical process. S&P Global may receive compensation for its ratings and certain analyses, normally from issuers or underwriters of securities or from obligors. S&P Global reserves the right to disseminate its opinions and analyses. S&P Global Ratings’ public ratings and analyses are made available on its sites, www.spglobal.com/ratings (free of charge) and www.capitaliq.com (subscription), and may be distributed through other means, including via S&P Global publications and third party redistributors.