

News Release

Vehicle Energy Japan's Battery Systems Adopted for Mazda New Crossover SUV "CX-90"

Tokyo, April 24, 2023 --- Vehicle Energy Japan Inc. (Representative Director, President and CEO: Hiroshi Ikeuchi/ Headquarter in Japan, hereinafter referred to as "VE-J") 's lithium-ion battery systems have been adopted for the new crossover SUV, the "CX-90". This has been launched in April, 2023 by Mazda Motor Corporation (Representative Director; President and CEO (Chief Executive Officer): Akira Marumoto/ Headquarter in Japan, hereinafter referred to as "Mazda").

The CX-90 is a crossover SUV newly developed in light of features that customers in the important North American market demand. Based on the "For the Voyage of Your Life" concept, this wide-body three-row SUV offers greater comfort, functionality, and safety performance, making driving more enjoyable and travel with several friends and family more pleasant. This new flagship model makes its debut.

This battery system, same as "CX-60", in collaboration with Mazda, has realized an electrical/mechanical design that ensures vehicle safety and a cooling design that maximizes battery performance, making it an optimal battery system for the "CX-90". The installed battery cells are new prismatic battery cells that have improved output characteristics up to 50% compared to our conventional product.

The battery energy control module mounted on this battery system incorporates battery control technology specialized for large-current charging/discharging to maximize the battery performance and has realized the controllability of achieving safety and the life of the battery. In addition, this supports ISO 26262, titled "Road vehicles – Functional safety". And also supports ISO/SAE 21434, titled "Road vehicles – Cybersecurity engineering", and strengthen the security of products to prevent damage from cyber-attack to aim for falsification of information and a generation of an erroneous operation.

VE-J will strengthen its battery products, such as battery packs and battery modules, to contribute to the widespread use of electric vehicles from automakers, and for environmental conservation.



Mazda New Crossover SUV "CX-90" *



lithium-ion battery systems

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