

R&D Project Title : Developments of Safety & Long-Life Oxide-Based Solid State Batteries

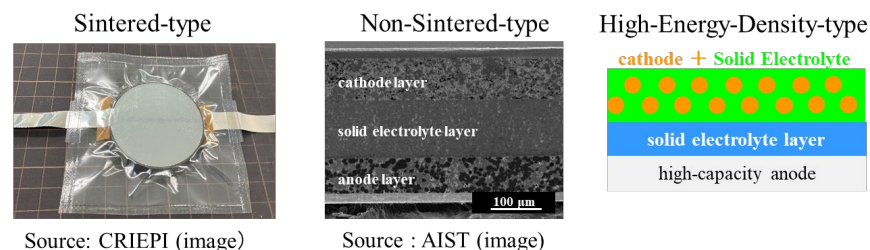
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R&D Team : Tohoku University, AIST, Doshisha University, NIMS, Tokyo University of Science, JFCC, Nagoya University, Mie University, Shinshu University, Kyushu University, University of Hyogo, Gakushuin University, CRIEPI

Summary :

This research aims to develop safety and long-life oxide-based solid-state batteries (SSBs). The target SSBs are "sintered-type" SSBs for small- and medium-size devices such as stationary use, "non-sintered-type" SSBs for large-size devices such as electric vehicle, and "high- energy-density-type" SSBs for the next generation. The three groups, Fundamental Research Gr. (Leader: Prof. Amezawa, Tohoku Univ.), Solid Electrolyte Gr. (Leader; Prof. Iriyama, Nagoya Univ.), and Device Gr. (Leader: Dr. Okumura, AIST), collaborate closely beyond the academy and industrial research and for commercialization, discovery of advanced solid electrolytes, and deeper understanding of fundamental researches.



Source: CRIEPI (image)

Source : AIST (image)

