

Solid state sUlfide Based LI-MEtal batteries for EV applications

Deliverable 3.6 Report on delivery of optimized cathode for Secondary pathway

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Publishable summary

This report aims to provide information for tasks related to Work Package 3 (WP3) of the SUBLIME project. Main objectives of WP3 are material optimization and scale up of high performing and safe all solid-state batteries for EV applications. WP3 is further sub tasked to: (i) WP3.1 – where the main focus is the sulphide solid electrolyte design and upscale; (ii) WP3.2 – Li metal protection design and upscale; (iii) WP3.3 – cathode design and upscale (the main focus of this report).

This report addresses:

- Definition of Gen 2 Cathode active material (CAM): Cathode design for secondary pathway focused on surface optimization of Gen 1 CAM to reduce the interface resistance when paired with solid electrolyte.