

Solid state sUlfide Based LI-MEtal batteries for EV applications

Deliverable 2.2 Report on specifications and performance requirements for the small cells

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Publishable summary

The specifications of SUBLIME cells for high power and high charge rate applications were defined based on the requirements of power cells for hybrid vehicles. Two different scenarios were considered, plug-in hybrid and mild hybrid vehicle architectures. The optimal capacity for those applications ranges between 15 and 40 Ah. The SUBLIME prototype cells will have a 40 mAh capacity, so the volumetric and gravimetric energy densities were virtually scaled to predict the performances of large capacity cells.