SOLIDBAT

Deliverable D2.1

Eco design kit and end-user specifications for 1 Ah and 5 Ah cells

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AUTHOR: Aurélie Guéguen (TME)

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1 EXECUTIVE AND PUBLIC SUMMARY

This report describes part of the activities of Work Package 2 of the SOLIDBAT project. It provides the Eco-Design Kit taking into account legislative requirements (e.g. EU battery regulation), requirements for environmental performance, such as CO_2 footprint perspective and recyclability of materials and components. The report also summarizes technical requirements that are relevant to the EV sector. These are then translated into specifications for the large (5 Ah) and small (1 Ah and monolayer) cells under development within the SOLIDBAT project. The design of each type of cell was chosen based on the expertise of partners in charge of manufacturing the cell components and cell assembly. The output of these activities serves as guidelines and input for WP3 and WP4 for the initial selection of materials for the different cell components and cell design to ensure large cells will meet both legislative requirements and EV KPIs and thus be suitable for future commercialization.



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