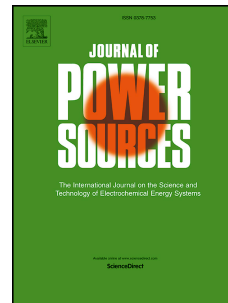


Accepted Manuscript

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PII: S0378-7753(15)00029-4

DOI: [10.1016/j.jpowsour.2015.01.028](https://doi.org/10.1016/j.jpowsour.2015.01.028)

Reference: POWER 20464

To appear in: *Journal of Power Sources*

Received Date: 23 October 2014

Revised Date: 18 December 2014

Accepted Date: 5 January 2015

Please cite this article as: A. Kirchev, S. Dumenil, M. Alias, R. Christin, A. de Mascarel, M. Perrin, Carbon honeycomb grids for advanced lead-acid batteries. Part II: Operation of the negative plates, *Journal of Power Sources* (2015), doi: 10.1016/j.jpowsour.2015.01.028.

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Carbon honeycomb grids for advanced lead-acid batteries. Part II: Operation of the negative plates*

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* The results included in this article have been presented during the 15th Asian Battery Conference and the 9th International Conference on Lead-Acid Batteries LABAT'2014

Abstract

The article presents the recent progress in the carbon honeycomb grid technology for valve-regulated lead-acid batteries with absorptive glass-mat separators (AGM-VRLAB). The work is focused on the development of negative current collectors using industrial grade composite honeycomb precursors. The developed model AGM-VRLA cells comprised of one prototype honeycomb negative electrode and two conventional traction positive counter-electrodes show high utilisation of the negative active material and long cycle life both in high-rate partial state of charge (HRPSoC) cycling mode and in deep cycling mode. The analysis of the results

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