Short Communication

Study of Effect of Batteries Capacity on Probability of Thermal Runaway Occurrence

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In this study, it was shown that an occurrence probability of a thermal runaway in nickel-cadmium batteries with sintered electrodes falls down with decrease of batteries capacity, while other parameters necessary for thermal runaway process occurrence such as dendrites density on cadmium electrode and gravimetric capacity of a hydrogen accumulation in electrodes do not depend on the batteries capacity.

Keywords: thermal runaway, battery, nickel–cadmium

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