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MH/Ni 电池高温性能研究

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摘要：研究了不同温度下电池的容量和在正极中添加三氧化二钇对电池高温充电效率的影响。结果表明：在正极中添加三氧化二钇可以明显提高电池在高温下的容量，而且三氧化二钇的含量为1%时对电极高温性能有较好的影响。

关键词：MH/Ni 电池； 高温； 容量

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Study on high temperature characteristics of Ni/MH batteries

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Abstract： Capacity of Ni/MH batteries at different temperatures and the influence of addition of Y_2O_3 in positive electrode on high temperature charging efficiency of Ni/MH batteries were investigated. The results showed that adding Y_2O_3 to positive electrode could greatly increase capacity of Ni/MH batteries at high temperature and when the content of Y_2O_3 was 1%，high temperature characteristics of the positive electrode was better.

Key words： Li-ion battery； cathode material； lithium iron phosphates

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