

Re: dead battery

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- *From:* default <default@xxxxxxxxxxxxxx>
 - *Date:* Wed, 23 Jan 2008 12:49:25 -0500
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On 21 Jan 2008 10:22:20 -0500, Allan Adler <ara@xxxxxxxxxxxxxxxxxxxxxx> wrote:

(1) When you recharge an alkaline battery and it explodes, why does it explode? Is it because of a build up of hydrogen gas from action of KOH on the Zn powder?

You are probably running enough current through it to boil the water in the paste.

I use a Ray-o-vac brand of battery charger and the AA or AAA alkalines will recharge about four or five times before I have to throw them out – they start to leak so I have to watch them. They don't explode or even get very warm.

The charger is designed for rechargeable alkalines, but most alkalines will work, it also does NiCad and NiMH types.

The alkaline recharge only really works well for a battery you use every day. My MP3 player takes one AAA battery and I use it for 2–3 hours, recharge overnight and use it again the next day. It won't hold a recharge for weeks but works fine on a daily basis.

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