

Re: Charging A Lead Acid Battery

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2008-02/msg00338.html>

- *From:* ehsjr <ehsjr@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 13 Feb 2008 02:50:02 GMT
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Ross Herbert wrote:

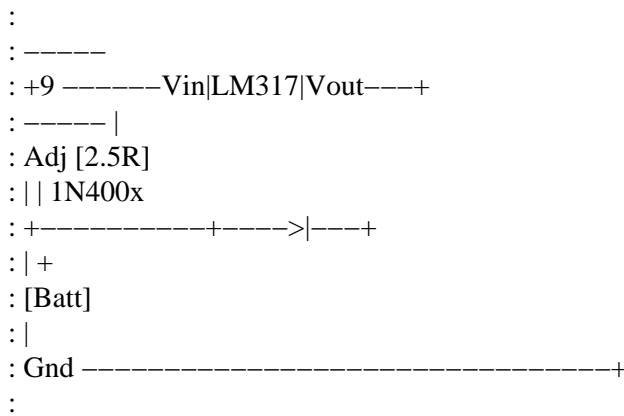
On Tue, 12 Feb 2008 01:30:43 GMT, ehsjr <ehsjr@xxxxxxxxxxxxxxxxxxxx> wrote:

:Dave.H wrote:

:> How would I go about building a charger for a lead acid battery.
:> Jaycar Electronics sells a 5 amp hour 6 volt SLA battery for use in
:> flashlight lanterns, but as far as I can tell they don't sell the
:> charger.
:> :> Battery
:> <http://www.jaycar.com.au/productResults.asp?FORM=KEYWORD>
:> (CAT. NO. SB2498)
:> :> Thanks

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:Very simple charger:



:You need a 9 or 12 volt wall wart capable of
:at least 500 mA, an LM317 chip, a heat sink for
:the chip, and 2 5 ohm, 1 watt (at least) resistors
:in parallel to make the 2.5 ohm resistance, and
:a 1N400x diode. Charge for 12-14 hours.

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:Ed

While that might work, it is a constant current source more appropriate to charging Ni-Cd or Ni-Mh cells, not a lead acid battery.

Re: Charging A Lead Acid Battery

LA battery is best charged with a constant voltage source or better still, a regulated 2 or 3 stage charger.

Read Jaycar's own reference sheet on SLA batteries.

http://www.jaycar.com.au/images_uploaded/slabatts.pdf

Read Jaycar's own description for the specific battery.

It states: "Charge current 500mA for 10– 14 hrs"

There is no "might" about it (as in your statement "While that might work"). CC charging **does** work on SLAs. Note that this is not comparing CC charging to other methods. It is correcting the "might" to "does".

If you want to talk about "best" chargers, don't snipe at my post which addressed a "Very simple charger" It's simple, it works, and it matches Jaycar's description.

Ed

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