Re: Charging A Lead Acid Battery

Source: http://sci.tech−archive.net/Archive/sci.electronics.basics/2008−02/msg00340.html

- *From*: Bill Bowden <wrongaddress@xxxxxxx>
- *Date*: Tue, 12 Feb 2008 20:14:54 −0800 (PST)

On Feb 12, 6:50 pm, ehsjr <eh...@xxxxxxxxxxxxxxxx> wrote:

> Ross Herbert wrote:
>
> > On Tue, 12 Feb 2008 01:30:43 GMT, ehsjr <eh...@xxxxxxxxxxxxxxxx>
> > 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
> > :
> > :
> > :Very simple charger:
> > :
> > :   −−−−−
> > : +9 −−−−−−Vin|LM317|Vout−−−+
> > :   −−−−− |
> > :   Adj   [2.5R]
> > : | | 1N400x
> > :   +−−−−−−−−−−+−−−−>|−−−+
> > : | +
> > :   [Batt]
> > : |
> > : Gnd −−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−+
> > :
> > :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.
:
:Ed

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