Re: Adding dual−voltage to an SPS?

Source: http://sci.tech−archive.net/Archive/sci.electronics.repair/2004−06/2337.html

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From: Sam Goldwasser (*sam_at_saul.cis.upenn.edu*)
Date: 06/29/04

Date: 28 Jun 2004 20:17:02 −0400

"Ken Taylor" <ken123@xtra.co.nz> writes:

> *"DaveC" <me@privacy.net> wrote in message*
> *news:0001HW.BD05A23C007FA627F02845B0@news.individual.net...*
> > *I've got a battery charger for a power tool. Input voltage is spec'd at*
> *only*
> > *120 VAC.*
> >
> > *Is it reasonable to think about modifying the switching p.s. to encompass*
> *240*
> > *VAC as well? Or might one simply design an entire new one more easily (not*
> > *that I'd even consider doing that...)?*
> >
> > *What's involved in modifying such a supply?*

> *Buy a stepdown transformer. Attempting to modify the existing supply is not*
> *a reasonable proposition unless you know how to design switching supplies.*

Only easy solution would be if it already has a doubler/bridge input
with a jumper to select 115 VAC (in) or 230 VAC (out). This would mean
the chipper runs off ~300 VDC. If it runs off of ~150 VDC, probably no easy
solution.

−−− sam | Sci.Electronics.Repair FAQ Home Page: http://www.repairfaq.org/
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