

# Re: Dual Power Supply

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- *From:* "Chris" <[cfoley1064@xxxxxxxxxx](mailto:cfoley1064@xxxxxxxxxx)>
  - *Date:* 31 Jan 2006 05:22:00 -0800
- 

Pooh Bear wrote:

> Chris wrote:

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> > think at least 20,000uF

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> 20,000uF for 2 amps !

>

> Good Lord.

>

> Graham

Yup. You want the rails to be about +/-20V for a +/-15V supply. If you use 16VAC transformers for the + and - power supplies , I'd guess you'd have a peak voltage after rectification of 21V or so. A really large cap (22,000uF) means there's less than a volt of ripple.

Big linear power supplies generate a lot of heat. A big cap is cheaper than a bigger heat sink.

But I guess I was talking more about a variable tracking supply -- I guess I got a little off track. If the OP chooses a design that doesn't have overtemp shutdown (like the 723 designs in the data sheet), he may be in a situation with a shorted output where the pass element is cranking as much as 40 watts.

Thanks for the spot. Glad somebody's checking -- we couldn't have incorrect information floating around the internets. If that happened, it would be just like TV journalalism. ;-)

Chris

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- *References:*

- ◆ *Dual Power Supply*

- ◇ *From:* Ramendra S Roy

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◆ **[Re: Dual Power Supply](#)**

◇ *From:* Chris

◆ **[Re: Dual Power Supply](#)**

◇ *From:* Pooh Bear

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