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Subject: Re: National Semiconductor Amp Modules  
Posted by [Wayne Parham](#) on Wed, 22 Sep 2004 02:19:56 GMT  
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I agree about the regulation. The supply for a powerful amp should have adequate current capacity and should be regulated so that the voltage rails don't fluctuate with changes in current demand.

I understand how some tube amp enthusiasts like using a simple unregulated circuit, but I think this is more for simplicity's sake than anything else. If there is not much of a current demand, then that's sufficient. Small power tube amps are that way.

But high power needs higher current, and the swings can really rob a power supply. So in this case, I think a good, high-current regulated supply is important. You could even do something like using motorcycle batteries or small sealed lead-acid batteries for improved transient current capacity.

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