

Re: Using a PC PowerSupply as a bench power supply.

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- *From:* w\_tom <w\_tom1@xxxxxxx>
  - *Date:* Mon, 28 Apr 2008 15:46:49 -0700 (PDT)
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On Apr 28, 9:51 am, sid <sidwe...@xxxxxxxxxxxx> wrote:

Thanks for all the input !

One last question, no where did I see the discussion of how much current can safely be drawn from each circuit.

Is there no hard-set rules on this or just a function of the size of your PS.

Power supply should list a maximum current for each voltage. A number that decreases when other voltages provide higher currents. How much for each voltage when all lines are loaded? Charts for this are found in the ATX power supply standards. Easier is to just use a larger wattage supply. Smarter is to look at those charts anyway to learn from the experience.

How much power on each circuit – each wire? Bottleneck is defined by Molex connector specs. Typically 6 amps per wire – less if concerned for contact resistance, temperature, or environmental degradation – which would be irrelevant as a bench power supply.

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