

Re: Power supplies in parallel for more current/same voltage?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.misc/2005-11/msg00167.html>

- *From:* bok118@xxxxxxxxxx (Gerard Bok)
 - *Date:* Mon, 14 Nov 2005 19:44:55 GMT
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On Tue, 15 Nov 2005 07:46:39 +1300, "Ken Taylor"
<ken123@xxxxxxxxxx> wrote:

>"Gerard Bok" <bok118@xxxxxxxxxx> wrote in message
>news:4378913b.11322538@xxxxxxxxxxxxxxxxxxxxxxxxxx
>> On Sun, 13 Nov 2005 18:27:45 -0800, "Daniel Morrow"
>> <videoman@xxxxxxxxxx> wrote:
>>
>>>Hi everyone! I am trying to find a cheap way I can increase the
>>>current capacity of a power supply by installing fuses to each output
>>>of multiple universal power supplies, setting each polarity
>>>correctly, setting each voltage correctly, but in other words combine
>>>power supplies to get up to 3 amps or more available from the
>>>parallel power supplies, to drive digital cameras. I have researched
>>>power supply providers and have found no usable/cheap enough power
>>>supplies (those dedicated power supplies are very expensive -
>>
>> By far the cheapest solution is to buy a single 3 Amp supply.
>>
>> Be very VERY careful: it's not uncommon for 3 Amp supplies to
>> supply a much higher output voltage than the label says.
>>
>> Wich may well result in a 'final flash' from your camera :-)

>What is so unusual about a 3A supply that it's output isn't specified
>correctly?

Some supplies are stabilized. Some supplies provide the stated
output voltage (more or less) under the specified load.
And under no or low load a voltage that is much higher.
A digital camera connected to a PSU is unlikely to draw 3 Amps
all the time :-)

Also: some appliances take their input voltage to an internal
stabilizer. While others just supply it to their chips.
Without good knowledge of both the PSU and the camera, it is easy
to blow the camera.

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Kind regards,
Gerard Bok

• *Follow-Ups:*

- ◆ *Re: Power supplies in parallel for more current/same voltage?*
◇ *From: Ken Taylor*

• *References:*

- ◆ *Power supplies in parallel for more current/same voltage?*
◇ *From: Daniel Morrow*
- ◆ *Re: Power supplies in parallel for more current/same voltage?*
◇ *From: Gerard Bok*
- ◆ *Re: Power supplies in parallel for more current/same voltage?*
◇ *From: Ken Taylor*

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