

## Re: one supply = two supplies

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  - *Date:* Sat, 08 Jul 2006 16:55:14 GMT
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On Sat, 08 Jul 2006 03:04:22 -0700, Big House wrote:

Hello

is there a way to "split" one 12 volt DC supply in two different output still of 12volt DC each?

That is, I have one +12VDC and GND. From this, I need two +12VDC/GND outputs where if I measure the +12V of one output with the GND of the other output (and viceversa) I do not get anything. Like if I had two different supplies.

I need this because I have two devices (a home alarm system and a GSM dialer) that are connected by a phone cable. If I use the same power supply, the line of the GSM dialer is always in USE (pciked up), if I use two different sources of power, everything works fine.

Since one of my customers has to use these two devices in is truck and he needs to use the 12volts coming from the battery, the goal should be to have two different output.

Is there any simple way to do it?

First, I'd diagnose what is causing the circuit to malfunction when the devices have a common power supply and ground – if merely using a separate supply clears the malfunction, then there is some kind of wiring error.

Good Luck!  
Rich