

# 13.4 VDC, 50 AMP POWER SUPPLY ON THE CHEAP.

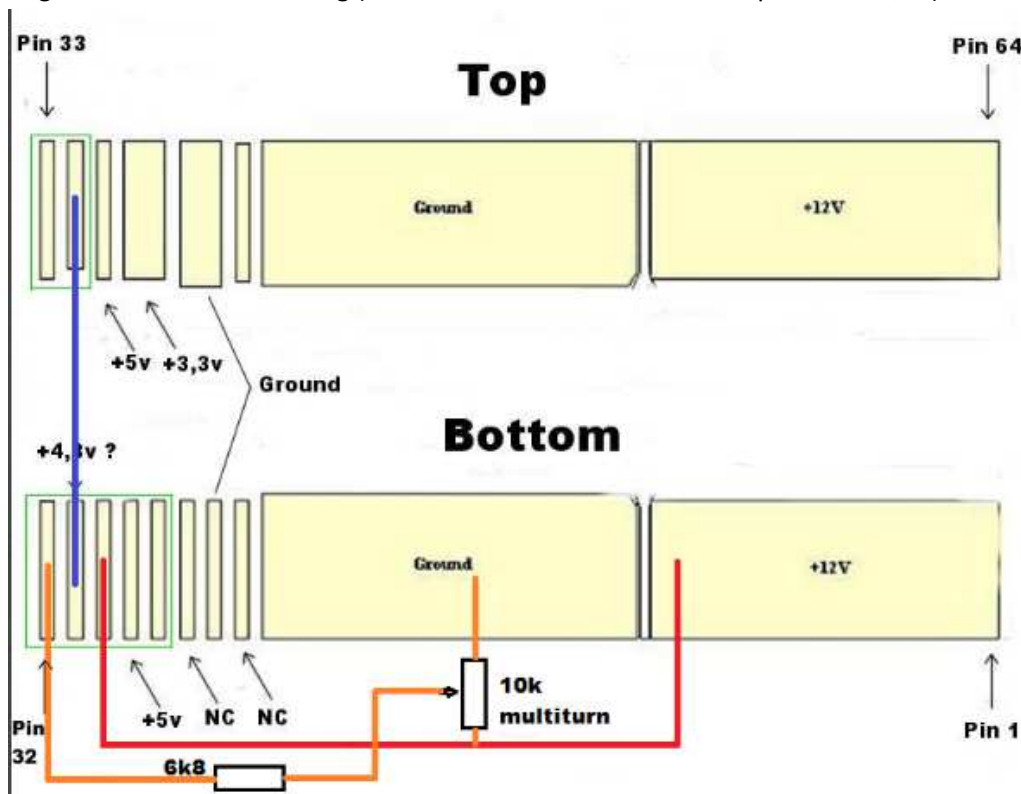
(Purchased on ebay – 2 for \$40 w/free shipping)

HP DPS-800GB Power Up Solution [FROM R/C MODELER WEB SITE](#)

P.S. is equipped with Over Voltage Protection (OVP) and set to 14 VDC or a bit lower. It works! But, it limits the maximum output voltage you can get. If I had a schematic, might try to tweak the OVP threshold up to 15 volts. I don't... ☹

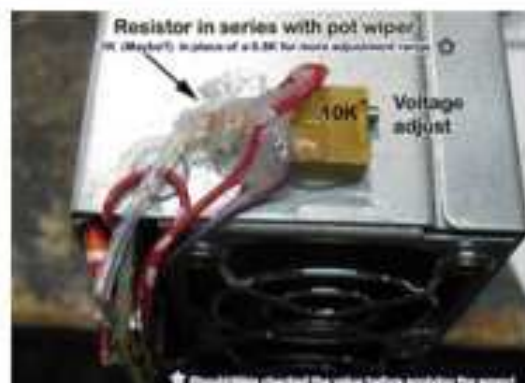
## Reference IMAGE BELOW:

“After some experimenting, I found the following circuit achieves an increased, and adjustable output Voltage. With my DPS-800GB PS, I could adjust the +Vout from 12,8 to 14,4V. At 14.45V the OVP kicks in. Regulation is still outstanding (+/- 100mV from zero to full 85Amp load at 13,6V)”



KZ4AK - This is what I did using the figure above.

With output very near OVP trip voltage, Load to zero amps would kick on OVP at times so set output to 13.4v and added 470 ohm load and 15 uf cap across output. Now delivers 13.4v at =>50 amps with no OVP kick-in when load released. Also changed the 6.8K resistor to about 1K to extend adjustment range. **NOTE: Only tested to 15 amps. Need bigger dummy load!**



Connections made to card connector, Vset pot, and chassis mod to fit into  
"recycled" enclosure.

