

# Re: Efficiency of Sola Constant Voltage Transformer?

---

*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.repair/2005-08/msg00241.html>

---

- *From:* "Mark & Mary Ann Weiss" <[mweissX294@xxxxxxxxxxxxxxxx](mailto:mweissX294@xxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 02 Aug 2005 05:30:16 GMT
- 

>> I can't seem to find a valid web site for Sola-HeviDuty, the manufacturer,  
>  
> <http://www.solaheviduty.com/>

Google found me this link [sola-heavy-duty.com](http://www.sola-heavy-duty.com) which is a spam-infested mess and NOT Sola's site. Thanks for the correct link.

>> but I'm considering adding a model 23-23-220-8 CVS ahead of our UPS to  
> clean  
>> up the harmonics from our generator so that we can run the UPS on the  
> 'high  
>> sensitivity' mode without having it constantly switch to battery.  
>  
> I wouldn't.  
>  
.....  
>  
> I'd be more worried about the output waveform esp. during any power outage  
> situation. I'd certainly run the idea past the UPS maker first. I suggest  
> you get APC to re-engineer a solution for you.  
>  
> N

Too costly. I bought the UPS as a refurbished unit. I'm shopping for a used CVS on Ebay. I have hundreds of dollars to spend on this, not \$30,000+ for a reengineered solution.

My testing has verified that our problem is not generator frequency, but harmonics. The UPS sensitivity can be lowered, but then when it switched, several computers on the network reboot. Only in the High sensitivity position does the APC UPS switch fast enough to avoid rebooting computers on the network. Although on the setting below High sensitivity, the UPS is happy on generator power. Only problem is we have stuff rebooting when it cuts over.

Re: Efficiency of Sola Constant Voltage Transformer?

Hence, we must run in the high sensitivity mode of the UPS and clean up the input power with the Sola CVS.

--  
Best Regards,

Mark A. Weiss, P.E.  
www.mwcomms.com

—

.

---

• *Follow-Ups:*

◆ *Re: Efficiency of Sola Constant Voltage Transformer?*

◇ *From:* Jim Adney

◆ *Re: Efficiency of Sola Constant Voltage Transformer?*

◇ *From:* Bennett Price

• *References:*

◆ *Efficiency of Sola Constant Voltage Transformer?*

◇ *From:* Mark &