

# Re: Efficiency of Sola Constant Voltage Transformer?

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.repair/2005-08/msg00292.html>

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- *From:* "Do Little2" <[listed@xxxxxxxx](mailto:listed@xxxxxxxx)>
  - *Date:* Tue, 2 Aug 2005 15:10:10 -0400
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"Mark & Mary Ann Weiss" <[mweissX294@xxxxxxxxxxxxxx](mailto:mweissX294@xxxxxxxxxxxxxx)>  
wrote in message  
[news:22PHe.12835\\$oS.Z.3839@xx](mailto:news:22PHe.12835$oS.Z.3839@xx)

- > My biggest concern is becoming one of whether this will vastly increase
- > our electric consumption. I read some documentation that suggests that a
- > 2kVa
- > CVS will pull 1kVa at no load! They are most efficient at 100% load. So
- > even though this would be going in front of a 2.2kVa UPS, our load is
- > about 10
- > amperes on that branch, so I chose to get a 1kVa Sola 23-25-210 model,
- > used, for \$45, with the intent of loading it fully to maximize efficiency.
- > Another thing mentioned in the docs is heat. They are designed to run so
- > that the
- > core is too hot to touch! That means more a/c load to cool the room.

Besides the heat build up, keep in mind that they are noisy beasts and you really do not want one sitting next to you in a quiet working area. What maybe a little bit more efficient is a automatic-variable transformer in your amp range. Those are also great as line spike absorbers, etc.. and not as noisy, unless one set the auto-adjust to sharply.

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"Thank God it's 5 PM, only 7 more working hours until bedtime."

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- *Follow-Ups:*
    - ◆ ***Re: Efficiency of Sola Constant Voltage Transformer?***  
◇ *From:* Mark & Mary Ann Weiss
    - ◆ ***Re: Efficiency of Sola Constant Voltage Transformer?***  
◇ *From:* Mark

Re: Efficiency of Sola Constant Voltage Transformer?

• **References:**

- ◆ **Efficiency of Sola Constant Voltage Transformer?**  
◇ From: Mark & Mary Ann Weiss
- ◆ **Re: Efficiency of Sola Constant Voltage Transformer?**  
◇ From: NSM
- ◆ **Re: Efficiency of Sola Constant Voltage Transformer?**  
◇ From: Mark & Mary Ann Weiss
- ◆ **Re: Efficiency of Sola Constant Voltage Transformer?**  
◇ From: Bennett Price
- ◆ **Re: Efficiency of Sola Constant Voltage Transformer?**  
◇ From: Mark & Mary Ann Weiss

- Prev by Date: **Re: Panasonic PV-8662 VCR, no power.**
- Next by Date: **Re: Really, Wires: Which side negative?**
- Previous by thread: **Re: Efficiency of Sola Constant Voltage Transformer?**
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