

Re: How much distortion is acceptable on residential utility power?

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- *From:* Robert Baer <robertbaer@xxxxxxxxxxxxx>
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Sylvia Else wrote:

Phil Allison wrote:

"MooseFET"
"Phil Allison"

The CFLs will tend to draw current over a wide part of the cycle.

** 100% WRONG !

The capacitor after the rectifier is small enough that the the ripple is very large.

** Means the charging time is very short – fool.

No it doesn't. Where did you get that idea.

JESUS CHRIST you are ONE ARROGANT CUNT !!!!!!!

I posted ACTUAL data and YOU FUCKING SNIPPED IT !!

YOU ASSHOLE – YOU FUCKING ASSHOLE !!!!

Go measure the current draw waveform of a few CFLs – instead of sitting

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on you FAT ARSE making up WRONG theories and misinforming people.

Have look at figure 11 for a typical current wave.

Figure 12 shows the same lamp operated from a common triac dimmer at full setting.

<http://sound.westhost.com/articles/incandescent.htm#pf>

The capacitor will start charging when the mains voltage has passed the voltage that the capacitor has discharged down to

** The charging time constant is very short for a CFL, typically about 50 μ S.

Peak current is reached in 200–500 μ S and then drops off rapidly.

Go measure the current draw waveform of a few CFLs – instead of sitting on you FAT ARSE making up WRONG theories and misinforming people.

Have look at figure 11 for a typical current wave – ASSHOLE !!

Figure 12 shows the same lamp operated from a common triac dimmer at full setting.

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MooseFet's analysis seems evidently correct. Why would the capacitor not start charging as soon as the input voltage (minus the forward rectifier drop) reaches the capacitor's voltage? Why would it stop charging before the input voltage peaks?

Sylvia.

Why bother with facts and standard electronics knowledge and experience?
Let idiots live in their own distorted world...

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