

Re: Did low voltage cause the pc to fail?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2004-08/1118.html>

From: Jim Phelps (jlphlp_at_juno.com)

Date: 08/20/04

Date: 20 Aug 2004 06:28:00 -0700

xvreddog@yahoo.com (Greg) wrote in message
news:<a13b52dc.0408181738.5ebba273@posting.google.com>...
> *G'day from a long way away....*
>
> *I am struggling with an argument about a couple of damaged home*
> *computers and I was wondering if anyone can help???*
>
> *The switchboard for a suburban house was replaced in November 2003.*
> *Since February 03 various appliances in the house have failed,*
> *including three pcs. The owners believe that lower than stat limits*
> *voltage into the residence caused the failure. Since the switchboard*
> *was replaced the problems have stopped.*
>
> *Their electrician said that the switchboard was a 30 year old*
> *porcelain-fused model and was burning out on the busbar and the*
> *circuits on the board were overloaded with too many appliances.*
>
> *My question to you, if you would be so kind...."What chance is there*
> *that the slightly under supply of grid voltage would severely damage*
> *pcs, or, is the pc damage more likely to be as a result of the arcing*
> *at the switchboard?"*
>
> *Greg,*
> *Brisbane, Queensland, Australia*

Hi Greg, I'm not going to take the time to read all of the answers you have gotten. Remember what Abe Lincoln said, Beleive only half of what you see and nothing of what you hear. My two cents is this: MOST switching power supplies and probably all used in computers are rated from 90 to 150 volts set to 120v and double that when set to 240. Our engineers, way back in about 1985 built one that was to tolerate 90 to 300 without a switch to set the input voltage. It didn't make it, but was great when the switch was added. Luck, Jim