

Re: Office XP failure

Source:

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On Jun 27, 2:17 pm, "Lanwench [MVP - Exchange]"

Not so; a good UPS will do power conditioning, which will indeed protect you against a surge/spike.

Well let's look at the conditioned power from this UPS. When in battery backup mode, 120 VAC electricity is two 200 volt square waves with a spike of up to 270 volts between those square waves. This is a 120 volt sine wave? This is conditioned power? Well it is called a 'modified sine wave'. Therefore the naive 'assume' it is conditioned power.

Why is that power so 'dirty'? So dirty as to even damage some small electric motors. Because computers are so robust - contain internal protection - as to make 'dirty' electricity from "computer grade UPS" irrelevant.

Meanwhile, when not in battery backup mode, the UPS outputs substantially 'cleaner' electricity. Why? When not in battery backup mode, a typical plug-in UPS connects computer directly to AC mains. It's called a relay. It connects computer either to AC mains ('cleaner' electricity) or it connects computer to battery (modified sine wave). One could say it does condition electricity; conditions it to be 'dirtier'.

Don't take my word for it. Post numerical specifications for that UPS. Don't waste time with half truths from color glossies. Only facts with merit are numbers in the long list of specs. Where are numerical specs for rumored 'power conditioning'?