

# Intro to the Uninterruptible Power Supply (UPS) or Battery Backup

Copyright © 2001-2005 KPEnterprises Business Consulting, Inc.

## What is a UPS?

A UPS is a Battery Backup for your computer. When the power goes out, the UPS will keep your computer "alive" long enough for you to save everything you are working on, close all programs, and shut down the computer.

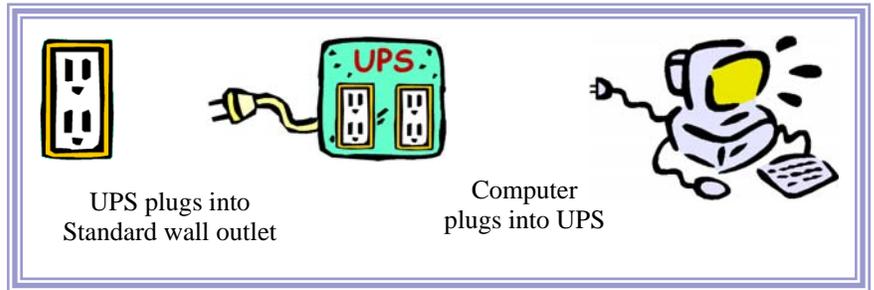
In addition, a UPS will take the shocks and jolts from any electrical fluctuations. Much better than a mere surge protector, a UPS makes sure your computer not take any electrical abuse.

## Here's How It Works:

- The battery is constantly charged by a regular power outlet.
- Your Computer is powered by the battery.
- The battery absorbs spikes, brown-outs, shocks, lightening, and other power fluctuations.
- If the electricity goes out, your computer will stay on. The battery will last anywhere from 5 minutes to an hour.

## How Is A UPS Rated?

A UPS is given a "VA" rating, based on the Volts and Amps it is capable of supplying. With a higher VA rating, a UPS will be able to last longer when the power goes out.



Desktop machines should have at least a rating of 250VA. This will give you 5-10 minutes of power. A UPS with a rating of 450VA might last as long at 20 minutes, depending on how much is plugged into it. Servers obviously need more.

## What Do You Plug Into the UPS?

To maximize the time you can use your desktop computer when the power goes out, you should only plug a computer and a monitor into your UPS. When the lights go out, you won't care about your speakers. Do Not EVER plug a **laser printer** or a **space heater** into a UPS. Think about the essentials. For a desktop system, the goal is to have enough time to save all your work, close all your programs, and properly shut down the system.

Servers, telephone systems, and other equipment may require much larger UPS systems.

If you have any questions or concerns, please give us a call: 916-928-0888.

**KPEnterprises**  
Business Consulting, Inc.

PMB 234 / 2121 Natomas Crossing Dr., #200 / Sacramento, CA 95834  
Sales@KPEnterprises.com      www.kpenterprises.com  
Phone 916-928-0888      Fax 916-928-5788

**Microsoft**  
CERTIFIED  
Partner