

Why a Powerware® UPS?

Whatever your needs, there is a Powerware UPS to ensure your computer systems, phone systems and other mission-critical applications stay up and running. Eaton knows a system-wide failure can threaten your network, as well as your company's integrity. Our complete line of Powerware UPS solutions protects you from the most common power problems including power failure, power sag, power surge, and under- or overvoltage. Powerware products cover them all. From single workstations to mission-critical Voice-Over Internet Protocol (VOIP) applications, Eaton's line of Powerware Series 3, Series 5 or Series 9 UPS solutions will safeguard your equipment and your business.

Powerware Series 3 UPS

Protect against three of the nine power problems.



Power Failure



Power Sag



Power Surge

Powerware Series 5 UPS

Protect against five of the nine power problems.



Power Failure



Power Sag



Power Surge



Undervoltage



Overvoltage

Powerware Series 9 UPS

Protect against all nine power problems.



Power Failure



Power Sag



Power Surge



Undervoltage



Overvoltage



Electrical Line Noise



Frequency Variation



Switching Transient



Harmonic Distortion

9 Common power problems



1. Power failure A total loss of utility power. Can be caused by lightning strikes, downed power lines, grid overdemands, accidents, etc.



2. Power sag Short-term low voltage. Triggered by the startup of large loads, utility switching, utility equipment failure, lightning and power service that is too small for the demand. Can cause system crashes and hardware damage.



3. Power surge Also known as a spike. Short-term high voltage above 110% of nominal. Surges can be triggered by a rapid reduction in power loads, heavy equipment being turned off or by utility switching. The results can damage hardware.



4. Undervoltage Also known as a brownout. Reduced line voltage for extended periods ranging from a few minutes to a few days. Can be caused by an intentional utility voltage reduction to conserve power or heavy loads that exceed supply capacity.



5. Overvoltage Increased line voltage for extended periods ranging from a few minutes to a few days. Can be caused by a lightning strike. A spike almost always results in data loss and/or hardware damage.



6. Electrical line noise High frequency waveform interference. Can be caused by either Line RFI or EMI interference generated by transmitters, welding devices, SCR-driven printers and lightning.



7. Frequency variation A change in frequency stability, resulting from generators or small co-generation sites being loaded and unloaded. Can cause erratic operation, data loss, system crashes and equipment damage.



8. Switching transient Instantaneous undervoltage (notch). Normal duration is shorter than a spike.



9. Harmonic distortion Distortion of the normal waveform, caused by switch-mode power supplies, variable speed motors and drives, copiers and fax machines, and other non-linear loads. Can result in communication errors, overheating and hardware damage.

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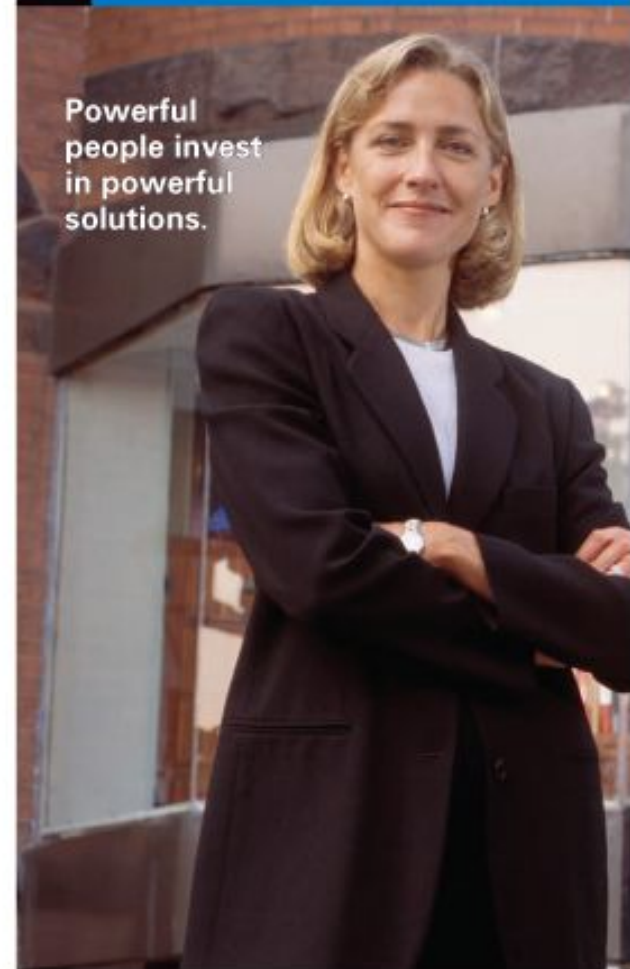
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EATON | Powerware

Premium UPS solutions:
Power protection you can count on

Powerful
people invest
in powerful
solutions.





You didn't come this far to fail now.

When you've spent countless hours, a great deal of money and an enormous amount of energy building your company, what should you do to protect that considerable investment from power failure and other power disturbances? Call Eaton.

Eaton is dedicated to helping businesses confidently choose power protection alternatives specifically designed to protect critical applications – from a home office to a global enterprise, a hospital system to a governmental agency. Our Powerware uninterruptible power systems (UPSs) reliably deliver solid protection for your IT, telephony or point-of-sale investment. Protection that you know is critical to your business's success – and to yours.

Every business – large or small – dreads downtime. In today's digital environment, it just isn't an option. Even a matter of seconds can carry a staggering price tag. Studies show that businesses can lose \$10,000 to several million dollars every minute your network is down. Why chance it? Premium power protection is available for a fraction of what it would cost to recover from a system failure. Installing a Powerware UPS is one of the most effective ways to mitigate the risks associated with power problems.

Powerful solutions protect powerful businesses.

Eaton's comprehensive range of Powerware UPS solutions has been protecting mission-critical operations since the days when a mainframe needed its own room. Over 40 years of experience in the power quality and backup power protection business has culminated in an expansive product line with advanced solutions for any application, from desktops to data centers.

Powerware solutions include UPSs as well as DC power systems to suit any application. Our cost-effective, award-winning software and connectivity devices incorporate all the features you need to manage your systems proactively – from basic monitoring and shutdown to predictive analysis and power management. We integrate solutions tailored for the specific requirements of healthcare, data intense, commercial and service businesses. Whatever your industry, whatever your business, Eaton delivers the right answer with customized power management solutions backed with service and support twenty-four hours a day, seven days a week.

Powerware premium UPS solutions offer exclusive benefits including a comprehensive product line; award-winning, technologically advanced UPSs; unparalleled service and support; comprehensive power management software; and premium warranty coverage.

Not sure which Powerware UPS is right for your IT needs? Call one of our business partners. They will work with you to tailor a solution for your specific needs. Or visit our UPS selector, answer a few questions, and the selector will guide you to the perfect system.

UPS selector:

<http://www.powerware.com/UPS/Selector/>

To locate a reseller in your area:

http://www.powerware.com/How_to_buy/

Protect your infrastructure investment and join the ranks of successful business owners who are safeguarding their businesses with a Powerware UPS solution from Eaton.

For more information:
www.powerware.com
1.800.356.5794

