

THE MOST COMMON CAUSES OF UPS FAILURE



*Read on to learn common
UPS components that are
susceptible to failure*



1. BATTERIES

As the heart of any UPS system, batteries require regular checkups to ensure they remain fit to safeguard critical systems.

Regardless of their age, batteries should be inspected semi-annually as part of a PM visit that includes testing for impedance or conductance, as well as assesses performance and evaluate any potential weaknesses.



2. CAPACITORS

A fairly simple device that stores and releases electrical energy, capacitors range in size and type, and generally need to be replaced every 5 to 7 years.

A typical UPS contains a dozen or more capacitors, which are responsible for smoothing out and filtering voltage fluctuations.

However, because capacitors degrade over time, annual inspection helps to optimize their operation and extend their lifespan.



3. FANS

Some UPS fans may perform well for 10 years of continuous use, while others could run for just a short time before locking up or failing.

Electrical or mechanical limitations and dried out ball bearings are common issues that can result in fan failures and subsequent UPS overheating.



4. FILTERS

UPSs are also prone to overheating (and shutting down) when dust or other coatings block air filters.

Because replacing filters is an inexpensive component of an effective UPS maintenance plan, they should be inspected on a monthly basis and changed as needed.



5. CONNECTIONS

An annual PM visit gives a trained service technician the opportunity to inspect the UPS and battery cabinets for loose internal connections, which can result from machinery situated close to the unit or from building vibrations.



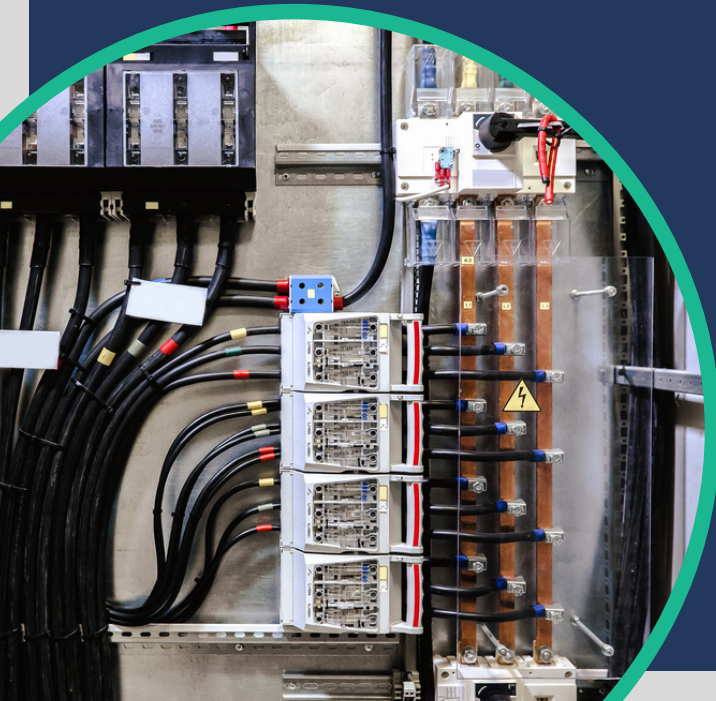
6. POWER SUPPLIES

Even redundant power supplies can be impacted by input voltage surges, which can lead to stress and overheating. Yet regular inspection can identify potential issues before they cause downtime.



7. CONTACTORS

Also susceptible to dust, UPS contactors should be inspected and cleaned regularly.



THE SOLUTION?

While it's clear that UPS components are prone to failure for a variety of reasons, investing in preventive maintenance with a professional and skilled service provider will appreciably reduce your risk of downtime — and potential disaster.

We offer standard or customizable preventive maintenance service plans & emergency service on all major manufacturers' brands of UPS equipment.

Visit our website or call us
today for more details

unifiedpowerusa.com

855.607.0202





*The premier nationwide critical
power service provider.*