

Alban Engine Power Systems

Consultant's Corner: UPS Flywheel & Quality Power

Quality Power

Power quality solutions to protect your critical systems

Power disturbances can cost your business significant money in:

- Lost labor
- Lost data
- Wasted material
- Lost productivity

Now, you can protect your critical electric loads with the Cat Uninterruptible Power Supply (UPS).

Power quality protection you can trust

The Cat UPS system uses flywheel energy storage, substantially more reliable than conventional lead-acid battery UPS.

Advantages over batteries include:

- Low maintenance - the flywheel does not wear out.
- 98% energy efficient - versus 90-93% for conventional systems.
- Compact - the footprint is just thirty percent (30%) of the size of the standard static UPS systems.
- Temperature independent - hot or cold conditions do not affect performance and service life.

Gen Set Start Up Feature

The Cat Flywheel UPS is the only UPS manufactured that has a "gen-set start" feature that gives you a 99.996 percent chance of your generator starting.

Configurations to suit your needs

The Cat UPS is ideal for protecting:

- High-value production processes.
- Voltage-sensitive variable-speed drives.
- Computer and data networks.
- Communication systems.

Available configurations include:

-Glitch protection. A stand-alone flywheel UPS protects against voltage sags or surges and "rides through" brief power interruptions.

-Continuous power. The flywheel UPS interconnects with any standby generator set and auxiliary equipment to provide a continuous power solution.

-Critical power. The flywheel UPS can provide redundancy for a battery type UPS system, increasing reliability tenfold or even more.

Call us for help

We can assist you in identifying sizing and space requirements for your needs at the installation you are specifying. Contact us for these or other specifications.