

# Consultant's Corner: UPS Flywheel & Quality Power

consultants corner



## 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.