

CLEANSOURCE® HD675 UPS

Overview

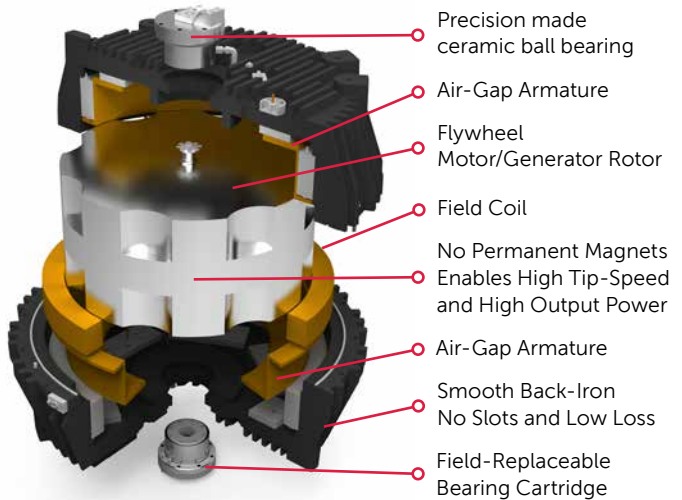
Active Power's CLEANSOURCE® HD675 delivers 40% TCO savings, is 12 times less likely to fail, and reduces your impact on the environment by 90%. Based on a field-proven design, our flywheel UPS is a perfect fit for today's mission-critical applications in data centers, health care facilities, and industrial and manufacturing sites.

Parallel Online Architecture

The CLEANSOURCE® HD675 is rated at 750kVA/675kW. Up to 7 UPS systems can be paralleled for redundancy or capacity, supporting over 4.725MW of back-up power in a single paralleled system.

Active Power's Parallel Online Architecture provides excellent isolation between input and output, while delivering a clean sinusoidal waveform to critical loads. CLEANSOURCE® HD675 UPS is able to protect against all 9 IEEE power disturbances, such as voltage fluctuations, harmonics and complete power outage.

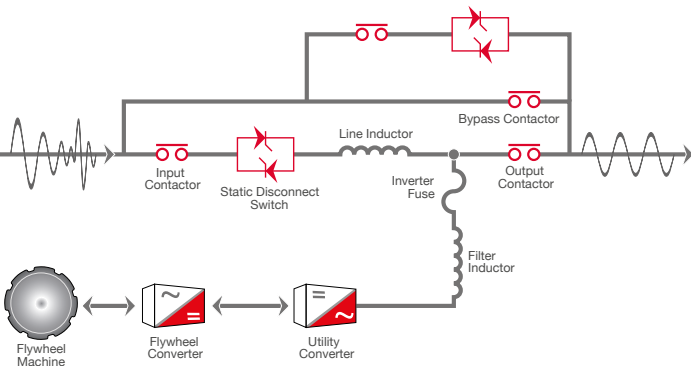
FLYWHEEL TECHNOLOGY



- ▶ STORES 10.2 MJ OF ENERGY
- ▶ UP TO 1 MINUTE OF RUN-TIME (LOAD DEPENDENT)
- ▶ WIDE OPERATING TEMPERATURE RANGE FROM 32°F TO 104°F
- ▶ HIGH DENSITY, HIGH EFFICIENCY DESIGN

KEY BENEFITS AND FEATURES

- ◉ UP TO 98% EFFICIENT
- ◉ HALF THE SPACE OF LEGACY BATTERY-BASED UPS
- ◉ LOWER INSTALLATION COSTS
- ◉ LESS HEAT REJECTION
- ◉ LOWER COOLING REQUIREMENTS
- ◉ LOWER MAINTENANCE AND SERVICE
- ◉ COST-EFFECTIVE INSTALLATION
- ◉ GENERATOR COMPATIBILITY
- ◉ 20-YEAR DESIGN LIFE



Service and Maintenance

Active Power has designed the CLEANSOURCE® HD675 with ease of maintenance in mind to ensure your critical power infrastructure operates with the utmost reliability. CLEANSOURCE® HD675 requires one simple and non-invasive annual maintenance. A streamlined maintenance schedule both restores your UPS to factory-like condition and reduces downtime during its operating life, thereby improving the availability of your operation.

40%

TCO SAVINGS

PERMANENT ENERGY STORAGE
UP TO 98% ENERGY-EFFICIENT
LESS EXPENSIVE TO INSTALL
AND COMMISSION

12x

LESS LIKELY TO FAIL

MOST RELIABLE ENERGY STORAGE SYSTEM

MINIMIZE RISK AND DISRUPTION FROM MAINTENANCE AND REPLACEMENT

9x

LESS CARBON EMISSIONS

90% LESS CARBON USED IN UPS MANUFACTURE

OVER 40% LESS CARBON EMITTED OVER 15 YEARS

CLEANSOURCE® HD675 combines a competitive initial cost with lower ongoing operational expense – up to 40% lower than traditional UPS over 15 years. The result is a dramatic TCO benefit for your application, with net savings.

► SUPERIOR ENERGY EFFICIENCY

Over 96% efficient at 40% load.

► REDUCED COOLING NEEDS

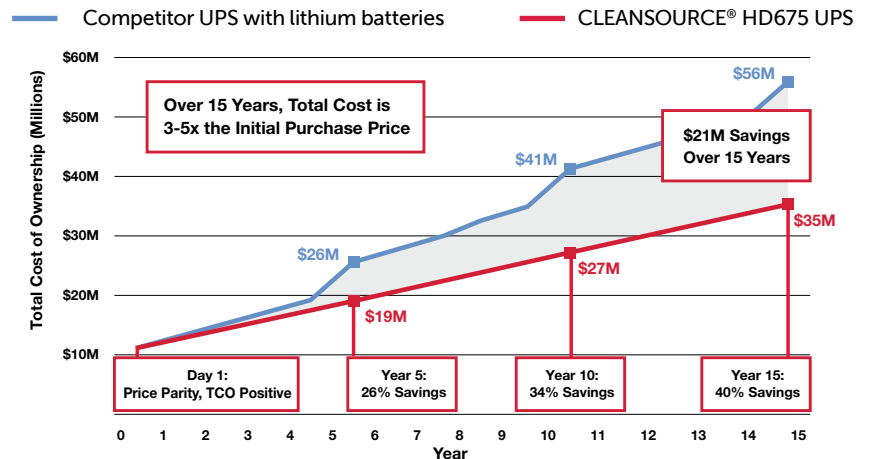
No need for dedicated cooling for batteries

► LOWER MAINTENANCE REQUIREMENTS

Routine annual check-up and bearing change every third year.

► NO BATTERY CHANGES

Integrated flywheel with 20-year life.



Proven to be 12 times less likely to fail than a battery-based system, the integrated flywheel energy storage of the CLEANSOURCE® HD675 UPS makes it inherently reliable, delivering predictable, consistent back-up power. The flywheel is constantly spinning, storing kinetic energy and ready to assume the load in case of a power outage. By contrast, battery failures are the leading cause of UPS load loss and system downtime.

CLEANSOURCE® HD675 UPS is the smart and responsible choice for the environment, saving thousands of tons of carbon from being emitted. The integrated flywheel permanent energy storage uses up to 90% less embedded carbon to manufacture versus lead-acid batteries. CLEANSOURCE® UPS high efficiency and lower cooling requirements contribute to lower power consumption and reducing operational carbon emissions by 40% over the life of the product. In comparison with lead-acid batteries, flywheels last up to 20 years, are not toxic, take up 50% less space and require less maintenance.

60Hz | 675kW | 480V

