UNINTERRUPTIBLE POWER SYSTEMS

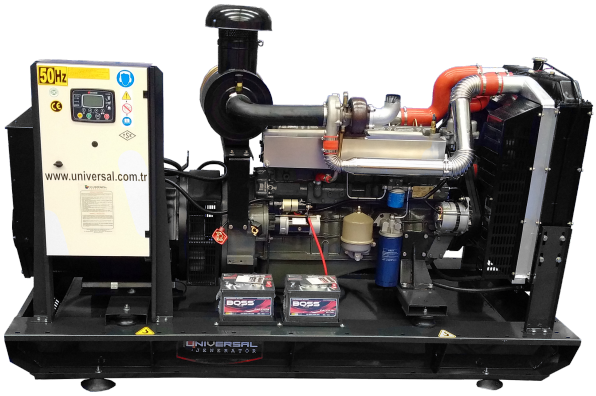
APPLICATION SHEET

APPLICATION OVERVIEW

Backup diesel generators have been the mainstay of reliability for data centers, hospitals, correctional institutions, manufacturing plants, and other mission-critical facilities for many years. In these facilities redundancy is everything to ensure 100% power reliability; 24/7 – 365 days per year. Emergency power to keep facilities operating during utility power outages is required to prevent interruption of operations and achieve dependable uptime when it is needed most.

Whether it is because the world depends on accessible data, a critical medical procedure is in process, or for maintaining security we are dependent on uninterruptable power systems to ensure facilities continue to operate effectively.

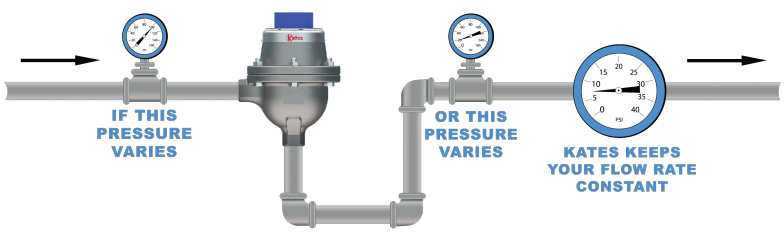
It is important that the complex backup power systems designed to be cost-effective with long life and dependability. To accomplish this, equipment should be efficient and require minimum maintenance when protecting against power grid failures, blackouts and brownouts especially when demand for power is very high, as occurs during extremely high summer temperatures.



KATES SOLUTION

The Kates Flow Controller is ideally suited for Uninterruptable Power Systems, especially when multiple standby generators are utilized. Kates regulates the fuel flow to each generator so that the optimal fuel is delivered to the generator. Kates is not affected by changes in the system process pressures that occur as the fuel demands change when additional generators are engaged or shut down. Kates can also minimize system disruption should a catastrophic failure occur downstream by only allowing the set flow rate rather than the maximum possible flow in a downstream pipe rupture for example.

Kates Flow Controllers are designed to last indefinitely with proper filtration upstream. It is not unusual for a Kates unit to be in service for many decades. For over 75 years Kates reliability has resulted in installations in critical applications worldwide. Header systems and the inherent changes in supply pressures to each leg are uniquely handled by the automatic and totally mechanical design of the Kates Flow Controller.



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