

LIEBERT SERIES 610

ULTIMATE RELIABILITY FOR LARGE-SCALE, MISSION-CRITICAL APPLICATIONS

Offering the ultimate in power protection efficiency and reliability for larger facilities, Liebert Series 610 UPS systems are available in a wide range of capacities from 100 kVA to 1000 kVA. These systems are designed to protect mission-critical operations from the full range of power quality problems and outages.

Efficient IGBT (insulated gate bipolar transistor) technology is combined with pulse width modulation/stepwave topology to provide reliable operation and create a unit that packs more capacity into a smaller footprint.

Thanks to all-digital controls and a unique inverter topology, the Series 610 can be applied in several single-bus configurations, including single module, parallel redundant and isolated redundant systems. For added reliability, multiple units can be utilized in a dual-bus system with two power feeds to provide redundancy during normal operation, as well as continuous, shutdown-free operation when service is required.



Other features include:

- Higher DC bus utilization provides higher AC/AC and DC/AC efficiency and allows a relatively smaller battery.
- Continuous improvement dramatically improves reliability by reducing the number of parts—and the potential points of failure within the system.
- Lower operating costs and long life thanks to 93% operating efficiency and an industry leading power factor of greater than 0.92 for all models.
- The ability to handle unbalanced and 100% non-linear loads.
- Lower heat output eliminates the need for complex air cooling arrangements.
- Robust inverter manages overloads and faults without the need for a static switch on the system output.
- Designed for intuitive, menu-driven operation, a large backlit LCD operator interface displays system controls, full-featured monitoring and alarm notifications.

Liebert Power Monitoring Capabilities

The operation of the Liebert Series 610 UPS can be monitored using

- Liebert MultiLink® Automated System Shutdown Software
- Liebert Nform™ Monitoring System
- Liebert SiteScan® Web Comprehensive Facility Monitoring System
- Liebert Universal Monitor and Remote Power Monitor Panels
- Third-Party Monitoring Systems
- Liebert BDS-40 Battery Monitoring Alber Technology By Liebert