

Liebert® NXL™ UPS

250, 300, 400 kVA Single Module
High Availability UPS for Medium & Large Data Centers

The industry's most reliable power protection and advanced technology has been combined into a new generation of three-phase UPS systems for high power applications – the Liebert NXL from Emerson Network Power.

The Liebert NXL provides excellent dynamic performance, with the ability to handle virtually any input condition while still providing computer grade output to critical loads.

The leader in large UPS system installations, Emerson offers complete and unequalled support, including engineering consultation, the largest and most wide-spread factory-trained service organization, and the industry's largest and most advanced production and witness test facility.



Ideally Suited For:

- Enterprise data centers
- Industrial process equipment
- Laboratories
- Any application requiring high levels of power availability and computer-grade power quality

Flexibility

Liebert NXL is designed for flexibility in application, installation, operation, and maintenance:

- Matching battery and maintenance bypass cabinets for easy configuration.
- Top or bottom cable entry.
- Internal cabinet cable wiring simplifies installation.
- Ship-ahead I/O section can be installed before UPS installation.

Higher Availability

Availability is a primary consideration in any UPS selection. Liebert NXL is inherently reliable:

- Liebert ActiveStar® Digital Signal Processor (DSP) controls — no potentiometers.
- Redundant components — fans, power supplies, communications cards.
- Provides superior handling of present and future computer loads, up to 0.95 leading power factor without derating.
- High input fault current capability .
- Color touch screen controls improve user interface and reduce risk of human error.
- Excellent dynamic performance.
- Generator and utility friendly with low current distortion.

Lowest Total Cost of Ownership

Liebert NXL addresses ownership costs with intelligent design and operating efficiency:

- Front access for installation and service.
- Compact cabinets require less floorspace.
- Improved cable access results in faster installation.
- Inter-cabinet cabling requires less hard wiring.
- Built-in battery cabinet breaker isolates string for ease of service.
- 94% operating efficiency.

Liebert NXL System Features

Advanced UPS Design

- True on-line double conversion topology.
- Superior overload and fault-clearing capability.
- High operating efficiency levels — up to 94%.
- Excellent dynamic performance — medium frequency PWM inverter.
- Compatible with Generation 3 server power supplies to meet current and future needs.
- Supports leading power factor loads, up to 0.95 without derating.
- Latest generation IGBTs.
- Advanced inverter control provides active harmonic cancellation.
- Output isolation transformer.
- Continuous duty static bypass switch.
- Output filter reduces total harmonic distortion to 2.5%.
- Power factor management and generator friendly operation.
- Input filter minimizes voltage distortion to other equipment connected to UPS input utility feed.
- Compact footprint.

Large Touch-Screen User Display

- Easy operation, monitoring and control
- System one-line view
- Advanced metering and key statistics
- Input/Output breaker control

Liebert NXL Battery Cabinet

- Flexible runtime solutions by paralleling cabinets
- Built in battery disconnect
- Front access only for installation and service
- Battery isolation minimizes the risk of downtime due to a catastrophic battery failure, and reduces the risk of electric shock during service
- Battery ground fault alarm
- Battery temperature compensation
- Equalize charging
- Optional integrated Alber technology battery monitoring

Liebert NXL Maintenance Bypass Cabinet (MBC)

- Allows UPS maintenance without load power down
- Attached and stand-alone models available
- Matched line-up design
- Top and bottom cabling

Serviceability & Safety

- Full front access design for installation and service
- Improved contractor cable access for ease of installation
- Meets NEC requirements
- Inner door design for safety meets Arc Flash requirements
- UL 1778 Listed (4th Edition)

Liebert Corporation
1050 Dearborn Drive
P.O. Box 29186
Columbus, Ohio 43229
800 877 9222 Phone (U.S. & Canada Only)
614 888 0246 Phone (Outside U.S.)
614 841 6022 FAX

Via Leonardo Da Vinci 8
Zona Industriale Tognana
35028 Piove Di Sacco (PD)
Italy
39 049 9719 111 Phone
39 049 5841 257 FAX

Emerson Network Power Asia Pacific
7/F., Dah Sing Financial Centre
108 Gloucester Rd, Wanchai
Hong Kong
852 25722201 Phone
852 28029250 FAX

liebert.com

24 x 7 Tech Support
800 222 5877 Phone
614 841 6755 (outside U.S.)

While every precaution has been taken to ensure accuracy and completeness in this literature, Liebert Corporation assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.
© 2007 Liebert Corporation. All rights reserved throughout the world. Specifications subject to change without notice. All names referred to are trademarks or registered trademarks of their respective owners.
® Liebert and the Liebert logo are registered trademarks of the Liebert Corporation.

SL-30600 (03/08) Printed in USA

Typical Line-up



Battery Cabinet

UPS

Maintenance
Bypass
Cabinet

Emerson Network Power.
The global leader in enabling
business-critical continuity.

- AC Power
- Connectivity
- DC Power
- Embedded Power
- Monitoring
- Outside Plant
- Power Switching and Controls
- Precision Cooling
- Racks and Integrated Cabinets
- Services
- Surge Protection

Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co.
©2008 Emerson Electric Co.