Avoid Outages Caused by Bad Batteries and Optimize Battery Life

Data center infrastructure is only as strong as its weakest link, and batteries are historically the most likely components to fail. Using Battery Service with Ntegrated Monitoring, you can significantly improve overall system availability through preventive maintenance, early detection of potential problems, and rapid response to battery defects and degradation.

Battery Service with Ntegrated Monitoring, Allows You to:

- Gain peace of mind knowing that your batteries will be available when you need them.
- Reduce risks by identifying and fixing minor battery problems now before they become major system problems later.
- Make informed maintenance and replacement decisions based on trending analysis by Emerson Network Power’s battery experts.
- Minimize downtime with the largest, most responsive service force in the industry, if on-site battery service is required.
- Achieve more cost-efficient battery management as scheduled service is consistently more cost effective than emergency repairs.
- Extend the life of your battery systems by eliminating defects and other conditions that degrade the quality of otherwise healthy batteries.

Industry-Leading Availability:

- Since 2004, following Emerson’s recommended corrective actions, customers with a comprehensive battery maintenance contract including battery monitoring have not experienced a single bus outage due to battery failure.
**Ensure Battery Performance with a Comprehensive Approach**

**Battery Service with Ntegrated Monitoring** provides complete monitoring, maintenance and service solutions tailored to your needs — a service program designed to maximize the availability of your battery systems.

Battery monitoring continuously checks and diagnoses all critical battery parameters for large UPS systems. It identifies potential problems by monitoring critical parameters such as cell voltage, overall string voltage, current and temperature. Automatic periodic tests of the battery's internal resistance will verify the operating integrity of the battery. If resistance values exceed set thresholds, Liebert Services takes action before it affects other batteries in the string.

Lead acid batteries are sensitive to temperature, excessive cycling and float voltage settings. Battery monitoring provides valuable information on these conditions, and promotes cost savings, by helping you mitigate these problems and extending useful battery life.

- **Liebert Ntegrated Service** — Rely on Liebert Services to monitor and maintain your battery systems. Thirty-seven percent of all UPS system failures are due to bad batteries. Statistical analysis indicates that remote and on-site maintenance from Liebert Services practically eliminates the risk of having an outage due to failed batteries.

- **Top Technology** — Using the latest Albé battery monitoring technology, all critical battery parameters such as cell voltage, overall string voltage, current and temperature are constantly being diagnosed. The Liebert Ntegrity Gateway provides a continuous pulse on the condition of your battery. We store and trend this data — identifying anomalies before they lead to failure.

- **Maintenance** — Battery Service with Ntegrated Monitoring provides a robust maintenance program performed by our highly trained Customer Engineers. It combines on-site and remote preventive maintenance activities along with proactive maintenance to identify problems before they occur.

- **Service** — You have the confidence of knowing you’re supported by the strongest service organization in the industry. Our 24/7 Customer Resolution Center will respond immediately to an alarm condition based on a pre-defined service escalation plan.

- **Quick Response** — More than 90% of emergency calls are resolved within the first 24 hours after they are received. Ntegrated monitoring provides the fastest response time by alerting Liebert Services of system anomalies and analyzing the problem before dispatching a technician, providing the fastest response to battery problems in the industry.