

BATTERY SERVICE WITH INTEGRATED MONITORING

Maintenance Services



BENEFITS

Anticipate Battery Problems Before They Occur

Your uninterrupted power supply (UPS) and your critical business operations rely on fully functioning batteries. Yet batteries have a finite lifespan and can fail unexpectedly, putting your business at risk. In fact, a single bad cell in a string of batteries could compromise your entire backup power system in the event of a power outage, and could leave your business unprotected.

While on-site battery maintenance and service go a long way toward ensuring the health of batteries and optimizing performance, it's impossible to truly know when battery failure is imminent without around-the-clock remote monitoring. Battery Service with Integrated Monitoring incorporates continuous, best-in-class battery monitoring technology, traditional battery service, and expert trending and analysis to virtually eliminate the risk of a power system outage due to failed batteries.

Benefits

- Eliminate risk of battery failure and battery-related downtime
- Identify and correct minor battery problems before they become major system problems
- Extend the service life of your battery systems
- Reduce on-site maintenance costs and emergency repairs
- Increase battery safety



Eliminate battery-related outages with a comprehensive solution that maximizes battery performance

A data center infrastructure is only as strong as its weakest link, and batteries are historically the most likely component to fail. Battery Service with Integrated Monitoring is designed to maximize the availability of batteries and overall power systems, giving businesses peace of mind that batteries will be available when needed.

Vertiv™ created Battery Service with Integrated Monitoring as a complete battery monitoring, maintenance, and service solution that can be tailored to unique needs. The service combines on-site visits from battery experts with Albér remote battery monitoring technology to identify and fix minor battery issues before they become major system problems—giving you the best possible defense against battery-related outages.

In fact, since 2004, customers with a comprehensive battery maintenance contract including battery monitoring have not experienced a single bus outage due to battery failure.

Our Battery Services with Integrated Monitoring includes:

- Battery preventive maintenance
- 24x7 remote monitoring
- Performance tracking
- Rapid response

Battery Preventive Maintenance

Battery Service with Integrated Monitoring incorporates a comprehensive battery maintenance program performed by highly trained technicians. The service includes on-site and remote preventive maintenance activities to identify problems before they occur and reduce the risk of battery-related failures. It also extends the service life of battery systems by eliminating defects and other conditions that degrade the quality of otherwise healthy batteries. Regular preventive maintenance provides cost-efficient battery management versus the high cost of emergency repairs.

24x7 Remote Monitoring

The latest Albér battery monitoring technology is used to continuously diagnose all critical battery parameters for large UPS systems, including cell voltage, overall string voltage, current, and temperature. Knowing the true condition of critical battery parameters and battery state of health allows businesses to confidently use batteries longer. Thanks to automatic periodic testing of the battery's internal resistance, you can be sure of the operating integrity of batteries and will know when a battery begins to fail. If resistance values exceed set thresholds, Vertiv™ takes action before it affects other batteries in the string.

Performance Tracking

Liebert® Ntegrity Gateway provides battery experts with a continuous pulse on the condition of batteries. Data is stored and trended to identify anomalies before they lead to failure, and the information can be used to inform better battery maintenance and replacement decisions.

Vertiv's experts analyze the information gained from battery monitoring and use it to optimize battery life. For example, lead-acid batteries are sensitive to temperature, excessive cycling, and float voltage settings. Battery monitoring provides valuable information on these conditions that experts can use to optimize performance, promote cost savings, and maximize available life of the battery.

Rapid Response

Integrated monitoring alerts Vertiv to system anomalies and allows battery experts to analyze the problem before dispatching a technician, providing one of the fastest response times in the industry. With one of the largest service teams, we respond immediately to alarm conditions based on a pre-defined service escalation plan, and 90 percent of emergency calls are resolved within the first 24 hours. In addition, factory-trained service technicians maintain a very low service error rate. If and when on-site battery service is required, our technicians are armed with the information and parts needed for optimal mean time to repair (MTTR).

Summary

With 37 percent of all UPS system failures due to bad batteries, it just makes sense to know their condition at all times. Battery Services with Integrated Monitoring combines around-the-clock battery monitoring with expert analysis and on-site preventive maintenance to virtually eliminate the chance of a battery-related outage. You will have complete confidence that batteries will be available when needed to maintain your power system and business-critical operations.

Ordering Information

To learn more about this service and other Vertiv solutions, visit VertivCo.com or call 1-800-543-2378.