Canara Insight+ for Batteries

INNOVATIVE PREDICTIVE MONITORING SERVICE THAT ELIMINATES THE NEED TO PURCHASE BATTERY MONITORING HARDWARE

RETHINK YOUR BATTERY ASSET MANAGEMENT

Continuous monitoring of backup batteries can ensure protection, but requires a large up-front capital investment and adds more equipment that you must maintain. But hardware alone is not enough; you must then have the staff that can review alarms and interpret the enormous amount of data generated by these monitors. Unfortunately, all too often, alarms are often ignored, and performance data is rarely truly reviewed and understood. This not only places your data center at risk but also prevents you from realizing the full value of your investment.

Fully Realize the Value of Monitoring

Canara Insight+ for Batteries is an innovative alternative to the traditional means of monitoring and managing your backup-power infrastructure. With our all-inclusive predictive monitoring service, Canara provides and manages every aspect of your battery monitoring solution.

We bundle monitoring hardware and hardware replacement with our predictive monitoring service. This allows you to focus on your business priorities and not reviewing and analyzing performance data. It also eliminates the need to purchase equipment and shifts the purchasing model to a subscription fee, giving you the ability to reserve capital for other purposes.

Canara Power Experts review your performance data and use analytics to predict imminent failures and provide real insights into your infrastructure. This enables you to fully realize the business value of monitoring not just respond to alarms and alerts.

INNOVATIVE BATTERY MONITORING TECHNOLOGY

Predictive monitoring of the health of your backup power systems is critical to ensure uptime and supports business process improvements to aid overall operational efficiency. While you need it now, we understand that you may not have the capital to invest. This is why we offer our monitoring and predictive analytics as a service without the need for upfront capital investment in equipment. Canara Insight+ for Batteries includes state-of the-art hardware that gathers the same performance data as node-based systems but with up to 80% less battery connections.

- Smaller hardware footprint with fewer potential points of failure
- Swappable design for non-intrusive replacement
- Large installation scalability

KEY SERVICE BENEFITS

- $0 upfront hardware cost
- Predictable operational costs
- Expert analysis
- Robust reporting
- Online monitoring portal

" Canara provides greater visibility into our critical power infrastructure's status, allowing us to extend battery life and take action before issues occur."
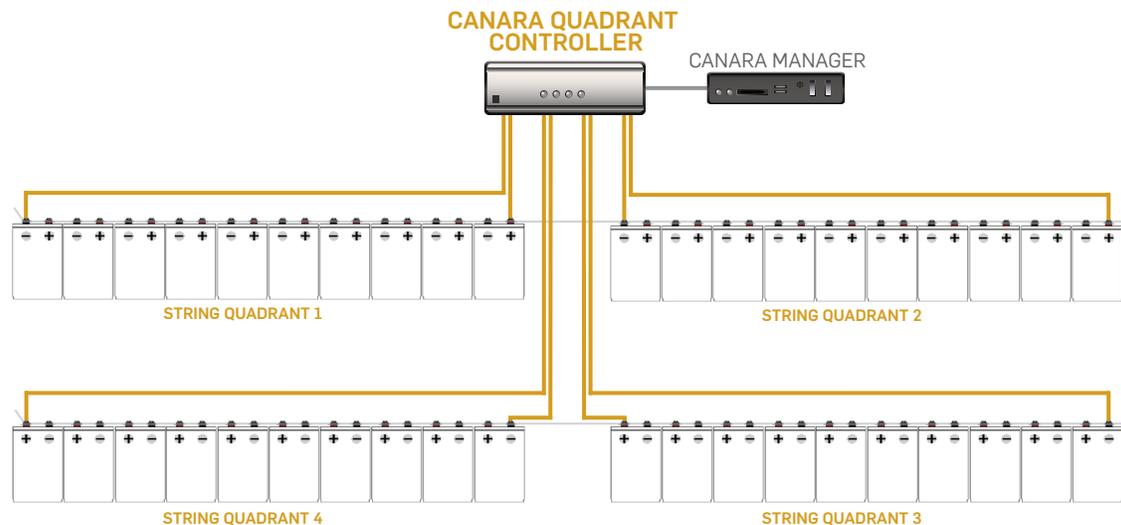
— RICH CRIM, NORTHSTATE

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CANARA QUADRANT CONTROLLER

The Canara Quadrant Controller collects battery health and performance data across a string of batteries. Once connected, the controller measures four quadrants within the battery string to efficiently collect necessary performance data. These metrics enable identification of trending and critical battery situations that may require maintenance activity. The data points measured include impedance, float voltage, ambient temperature, charge and discharge voltages.

The Quadrant Controllers are connected to a Canara Manager that aggregates and communicates collected power system data back to the Canara Insight Center for analysis.

• Synchronize data from multiple systems and locations

• Generate consistent consolidated reports regardless of monitoring hardware

CANARA QUADRANT CONTROLLER

CANARA MANAGER

STRING QUADRANT 1

STRING QUADRANT 2

STRING QUADRANT 4

STRING QUADRANT 3

CRITICAL POWER ANALYSIS & REPORTING

WEEKLY TRENDING & CORRECTIVE ACTION REPORTS	Weekly reports provide alarm details and recommended actions, enabling stakeholders to properly plan pre-emptive maintenance, while avoiding costly emergency work orders.
AGING ANALYSIS REPORT	Detailed report that provides an estimate of the remaining operational life of a battery system. The report is based on a performance index rating that takes into account: system Ohmic rise, system age, number of batteries out of tolerance and number of batteries replaced.
DATA CORRELATION REPORTS FOR HANDHELD TESTING	Canara can perform periodic validation of data captured on hand-held devices against the data retrieved by the battery monitoring system. These reports correlate the different measures and ensure accurate recommendations for the disposition of batteries.
EQUIPMENT ACTIVITY HISTORY	Users can create work tickets to track all corrective and preventive maintenance activity performed on data center battery assets.
CRITICAL POWER PERFORMANCE REPORT	A detailed report presenting the power outage events (discharges) that were captured by the battery monitoring system are also available.
CRITICAL SYSTEM REPORTS	From commissioning reports to preventive and corrective maintenance reports, all delivered as interactive reports for one-click access to the information you need.

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