

# Canara Battery Services

SAVE TIME AND ENSURE YOUR SYSTEMS ARE OPERATIONAL WITH A PORTFOLIO OF SERVICE OPTIONS FOR ALL YOUR BATTERY ASSET MANAGEMENT NEEDS

## BATTERIES ARE YOUR WEAKEST LINK

The battery is the most vulnerable part of any back up power system, regardless of capacity, topology or brand. A proper preventative and corrective battery maintenance strategy is fundamental to ensure maximum system availability and to keeping your data center and business up and running.

## TRUST OUR EXPERTS

Canara has more than 20 years of experience in monitoring and managing battery systems for some of the largest data center operators in the world. Our field team is highly experienced and trained to perform battery projects in an efficient and safe manner. Whether you need a full battery installation or a spot replacement, we provide complete end-to-end project management coordination to ensure a successful implementation.

## SERVICE OPTIONS

### Install & Testing Services

Canara offers new install and battery replacement services for any UPS, switchgear or generator.

- Batteries of all types
- Battery disposal/recycle
- Cabinets and racks
- Load testing and reporting

### Maintenance Services

Canara offers a flexible engagement model that can be designed to meet your specific needs.

- Preventative maintenance
- Spot replacements
- Corrective maintenance
- IR Scans

### Battery Selection

Need new batteries? Whether you are looking for VLRA or interested in lithium-ion technology, we are here to help. Canara provides and supports all the major battery manufacturers. Let us help weigh your options.

- East Penn
- Narada
- EnerSys
- Fiamm
- C&D Technologies
- Saft
- Northstar

## WE KNOW BATTERIES

- Over 20 years of battery expertise
- Currently monitor over 350,000 batteries daily
  - Familiar with all leading battery monitoring hardware and systems
- Regular visits to over 160 data centers
- UPS/Switchgear/Generators
  - Wet Cell, NiCad, VLRA, Lithium-ion
- Install & replace 30,000+ batteries annually
- Dozens of preventative maintenance and corrective maintenance visits per month

## CANARA BATTERY SERVICES

Canara can help you manage the maintenance and operations of your core power infrastructure with a variety of service options.

<b>INSTALLATION &amp; REPLACEMENT</b>	Battery projects include staging, transportation, shipping, installation and disposal. When necessary our staff will perform a preliminary walk-through of your facility to identify logistical challenges ahead of time. On-site certified field technicians will perform new install or battery replacement and system configuration. We will also dispose of your old batteries to an environmental regulatory compliant battery recycling center.
<b>PREVENTATIVE MAINTENANCE INSPECTIONS</b>	Quarterly, semi-annual or annual on-site inspections include; validation of Ohmic, voltage and temperature measures, calibration and wire harness connection checks and annual battery system visual inspections.
<b>BATTERY ASSET MANAGEMENT</b>	Facilitation of battery Return Merchandise Authorization (RMA) process and replacement including warranty management. If monitored, Canara has the ability to include battery performance history to expedite warranty claims.
<b>LOAD TESTING &amp; REPORTING</b>	<p>IEEE 1188 compliant load test can be performed at installation or annually to simulate client load and prove overall system integrity and prove all units pass in accordance with the manufacturer's specifications.</p> <p>Canara will perform a complete analysis of the resulting data and provide a detailed report as to which batteries pass/fail the load testing. This ensures that weak batteries are removed from the string immediately for better warranty claim and longer life string performance.</p>
<b>SPOT TEST &amp; REPLACEMENT</b>	Predictive analytics and monitoring of your batteries provide the visibility into your battery system so spot replacements can be planned in advanced and timed with pre-scheduled PM or service visits.
<b>IR SCANS &amp; INSPECTIONS</b>	Trained technicians use non-intrusive, thermal imaging technology to detect defects before they can cause a major issue.

### CONTACT

+1 415 462 8950 **TEL**

+1 877 422 8874 **TOLL FREE**

### ONLINE

[www.canara.com](http://www.canara.com)

[inquiries@canara.com](mailto:inquiries@canara.com)