

# Proposal for Service

Vertiv Corporation

5/9/2025

HARLEM SCHOOLS DIST 122  
1 HUSKIE CIR  
MACHESNEY PARK, IL, 61115

2025 ANNUAL UPS SERVICE RENEWAL

**5/9/2025**  
**HARLEM SCHOOLS DIST 122**  
**1 HUSKIE CIR**  
**MACHESNEY PARK, IL, 61115**  
**CPQ-849521-1**

Thank you for your interest in Vertiv Corporation. We are pleased to submit the following proposal for your review and consideration.

As the rate of change and complexity in your data center increases, Vertiv is the dedicated partner that you need to help you achieve your goals.

Please complete all required fields on the signature page and attach your Purchase Order to assist timely order processing. Should you have any questions regarding the proposal, feel free to contact me directly at (847) 353-5604. I look forward to your response and the opportunity to work together to improve your data center investment.

Sincerely,

Cindy Kholodov

875 Busch Parkway

Buffalo Grove IL 60089

**PHONE** (847) 353-5604

**FAX** (847) 541-1750

**EMAIL** [ckholodov@zonatherm.com](mailto:ckholodov@zonatherm.com)

**Order** CPQ-849521-1

**Liebert UPS / Power / Battery Services:**

- We are the Original Equipment Manufacturer and the experts on Liebert equipment with access to updates and changes, knowledge of engineering specifications, current issues and how to fix them correctly.
- Our factory trained service force is twice the size of the next largest competitor with over 650 customer engineers and field technicians in the United States alone; everywhere in the US the most knowledgeable engineers and technicians available, will cover you.
- With the most advanced tooling and instrumentation available, each CE has over \$10,000 in gear with him at all times, so any issue can be resolved in the least amount of time possible.
- To make sure we get the right part to the right place at the right time, we have the industry's most sophisticated parts logistics system. No matter where you are in the US we also have a parts warehouse close to serve you.
- We maintain and follow all safety and compliance regulations necessary to keep CE's from harm and protect you, our customers from liability. We care about your safety.

**Standard Maintenance Contracts:**

**Site#: 1156322**  
**HARLEM SCHOOLS DIST 122**  
**1 HUSKIE CIR**  
**MACHESNEY PARK, IL**  
**61115**  
**US**

Tag #	Description	Model #	Annual PM Qty.	Coverage Type (Coverage Dates)	Coverage Amount
1557162	NX 20-30 INTBAT	38SB030C0CHX	2	ESSENTIAL (07/01/2025) - (06/30/2026)	\$6,535.00

**Total price: \$6,535.00**

**Payment Terms: Net 30 Days**

# SCOPE OF WORK

## UNINTERRUPTIBLE POWER SYSTEMS NX MODELS WITH INTERNAL BATTERIES ESSENTIAL SERVICE - 2 PM

### SERVICE SUMMARY

Feature	Detail
On-Site Service	Includes 1 Annual and 1 Semi-Annual Preventive Maintenance Services on Vertiv UPS and Vertiv internal batteries scheduled by the customer between 8am-5pm, Monday-Friday (excluding national holidays).
Response Time	Guaranteed 4-hour on-site emergency response, 7 days/week, 24 hours/day, within 150 miles of a Vertiv Services' Service City.
Customer Support	Includes access to the Customer Resolution Center (1-800-543-2378) and the Vertiv Customer Services Network Online Internet portal.
Parts	Includes parts coverage (limits may apply; see Assumptions and Clarifications, as applicable, for more details).
Internal Battery Coverage	Includes parts, labor, disposal and battery jars as required - up to 10% of the battery jars per year, not accumulated over contract term (limits may apply; see Assumptions and Clarifications, as applicable, for more details).
Labor & Travel	Includes 100% labor and travel coverage 7 days/week, 24 hours/day, within the 48 contiguous states and Hawaii.
Service Professional	Performed by Vertiv factory trained and authorized technician. Vertiv Services is the OEM service provider for Liebert products.
Battery Recycling	Includes battery recycling as required, with documentation meeting EPA requirements.

### SERVICE PERFORMED

#### UPS Full Preventive Maintenance Service

##### *Semi-Annual Service*

1. Perform a temperature check on all breakers, connections, and associated controls. Repair and/or report all high temperature areas.
2. Perform a complete visual inspection of the equipment including subassemblies, wiring harnesses, contacts, cables, and major components.
3. Check air filters for cleanliness. (if applicable)
4. Check rectifier and inverter snubber boards for discoloration.
5. Record all voltage and current meter readings on the module control cabinet or the system control cabinet.

##### *Annual Service (includes the above, plus)*

1. Check the inverter and rectifier snubbers for burned or broken wires.
2. Check all nuts, bolts, screws, and connectors for tightness and heat discoloration.
3. Check fuses on the DC capacitor deck for continuity (if applicable).

4. With customer approval, perform operational test of the system including unit transfer and battery discharge.
5. Calibrate and record all electronics to system specifications.
6. Check or perform Engineering Field Change Notices (FCN) as necessary.
7. Measure and record all low-voltage power supply levels.
8. Record phase-to-phase input voltage and currents.
9. Review system performance with customer to address any questions and to schedule any repairs.
10. Check power capacitors for swelling or leaking oil (if applicable).
11. Check for DC capacitor vent caps that have extruded more than 1/8" (if applicable).
12. Measure and record harmonic trap filter currents (if applicable).

## **Battery Full Preventive Maintenance Service**

### ***Semi-Annual Service***

1. Inspect the appearance and cleanliness of the battery and the battery room. Clean normal cell top dirt accumulation (to be done only with battery off line).
2. Measure and record the total battery float voltage and charging current.
3. Measure and record overall AC ripple current.
4. Measure and record overall AC ripple voltage.
5. Visually inspect the jars and covers for cracks and leakage.
6. Visually inspect for evidence of corrosion.
7. Measure and record the ambient temperature.
8. Verify the condition of the ventilation equipment, if applicable.
9. Verify the integrity of the battery rack/cabinet.
10. Measure and record 100% of the cell temperatures.
11. Measure and record the float voltage of all cells.
12. Measure and record all internal impedance readings.
13. Provide a detailed written report noting any deficiencies and corrective action needed, taken and/or planned.

### ***Annual Service (includes the above, plus)***

1. Re-tighten all battery connections to the battery manufacturer's specifications, offline only.

### **Corrective Maintenance Performed as Required**

1. Refurbish cell connections as deemed necessary by the detailed inspection report.

## **ASSUMPTIONS AND CLARIFICATIONS**

Parts coverage excludes air filters, proactive full bank capacitor replacement and fan replacement.

Customer should check air filters monthly for cleanliness and replace as necessary.

Maintenance does not include System Control Cabinet, Power Tie, Breaker Cabinets, Load Bus Sync or Maintenance Bypass Cabinets.

All battery checks are recorded through the LDI reporting system. Only visual battery inspection and total battery voltages are to be recorded on the UPS E-form. The full battery maintenance inspection will be conducted through LDI.

## **CUSTOMER RESPONSIBILITIES**

In order to provide timely, accurate and thorough execution of the services described herein, Vertiv requests the following:

**Point of Contact:** Provide an authorized point of contact(s), specific for the scope of work, for scheduling and coordination purposes.

**Scheduling:** Make dates available for scheduling service. All visits must be requested 10 business days in advance of need by contacting the Vertiv Services Customer Resolution Center at 1-800-543-2378.

**Site Access:** Prior to time of scheduled work, provide site access including any customer required escort, security clearance, safety training and badging for Vertiv service personnel.

**Equipment Access:** Convenient access to the equipment covered by the Scope of Work. Prior to scheduled time of work, notify Vertiv service personnel of any special requirements for equipment access including lifts, ladders, etc.

**Shutdown:** Service may require shutdown of load to ensure electrical connection integrity.

**Notification:** If for any reason the work cannot be performed during scheduled time, notify Vertiv service personnel 24-hours prior to scheduled event.

## **TERMS AND CONDITIONS**

Subject to all Terms & Conditions as noted in the Vertiv Services Terms & Conditions or the terms of a Master Agreement between the parties, if any, shall apply.