

- ☑ Vertiv Service CEs are trained in NFPA 70E and OSHA best practices, and all processes and procedures strictly comply with NFPA 70E industry standards.

SERVICE PERFORMED

UPS Full Preventive Maintenance Service

Semi-Annual Service

1. Perform 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. Conduct diagnostic review with proprietary access to internal event logs.
6. Record all voltage and current meter readings on the module control cabinet or the system control cabinet.
7. Measure and record the dc float voltage at the UPS and at the battery
8. Measure and record the ripple voltage and current

Annual Service

1. Check power capacitors for swelling or leaking oil (if applicable).
2. Check for DC capacitor vent caps that have extruded more than 1/8" (if applicable).
3. Measure and record harmonic trap filter currents (if applicable).
4. Check the inverter and rectifier snubbers for burned or broken wires.
5. Check all nuts, bolts, screws, and connectors for tightness and heat discoloration.
6. Check fuses on the DC capacitor deck for continuity (if applicable).
7. With customer approval, perform operational test of the system, including unit transfer and battery discharge.
8. Calibrate and record all electronics to system specifications.
9. Check or perform Engineering Field Change Notices (FCN) as necessary.
10. Measure and record all low-voltage power supply levels.
11. Record phase-to-phase input voltage and currents.
12. Record real and apparent power for each phase.
13. Review system performance with customer to address any questions and to schedule any repairs.

Battery Inspection Service - Performed During the UPS Annual PM Service

1. Check integrity of battery cabinet (if applicable).
2. Perform a visual inspection of the battery, battery cabinet or rack and battery room and note any deficiencies and recommendations.

ASSUMPTIONS AND CLARIFICATIONS

Parts coverage excludes batteries, 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.