

Statement of Work

Contractor is to provide all labor and materials to perform the following for the Uninterruptible Power Systems (UPS) for the Liebert System (Serial # 37-7812) located at Overton Brooks VA Medical Center, 510 E. Stoner Ave., Building 6, Shreveport, Louisiana 71101 on all 3 phase models except Series 300 and NX 10-30KVA.

Fan/Blower Replacement Service:

1. Check all nuts, bolts, screws, and connections for heat discoloration.
2. Verify new fans/blowers prior to installation.
3. Clean fan/blower assembly area of all dirt and debris.
4. Inspect wiring for loose connections and heat discoloration. Replace, if necessary.
5. Ensure all fan connections are properly done and mechanical connections properly torqued.
6. Dispose of removed fans/blowers (upon request and at time of service).
7. Review system performance to address any system questions.

DC Capacitor and Fan Replacement Service

1. Check all nuts, bolts, screws, and connectors for tightness and heat discoloration.
2. Verify new capacitor values prior to installation.
3. Clean capacitor decks and buss bars of all dirt, debris, and/or leakage.
4. Record AC ripple voltage and current before, and after, capacitor replacement.
5. Replace DC buss filter capacitors.
6. Inspect DC capacitor wiring for loose connections and heat discoloration. Replace, if necessary.
7. Ensure all capacitor connections are properly torqued.
8. Record new capacitor date codes.
9. Form new DC capacitors.
10. Perform thermal scan of capacitor decks and connections
11. Dispose of removed capacitors (upon request and at time of service).
12. Review system performance with customer to address any system questions.

AC Capacitor Replacement Service

1. Check all nuts, bolts, screws, and connections for heat discoloration.
2. Verify new capacitor values prior to installation.
3. Clean capacitor decks and buss bars of all dirt, debris, and/or leakage.

4. Record AC filter currents before and after capacitor replacement.
5. Replace input filter capacitors.
6. Replace output filter capacitors.
7. Replace commutation capacitors, if applicable.
8. Replace power supply electrolytic capacitors, if applicable.
9. Inspect AC, input/output capacitor wiring, and replace if necessary.
10. Properly torque all capacitor connections.
11. Record new capacitor date codes.
12. Perform thermal scan of capacitor decks and connections.
13. Dispose of removed capacitors (upon request and at time of service).
14. Review system performance with customer to address any system questions.

Service is recommended to be performed during the Annual preventive maintenance visit during December 2018 to prevent additional shutdown of equipment.