

# Proposal for Service

**Emerson Network Power** | Liebert Services

Jan 30, 2013  
LORI LECLAIR  
CITY OF COLUMBUS  
1601 ARLINGATE LANE  
COLUMBUS, OH US , 43228

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LORI LECLAIR  
CITY OF COLUMBUS  
1601 ARLINGATE LANE  
COLUMBUS, OH US , 43228  
Q01794887

Phone: (614) 6450794  
Fax:  
Email: laleclair@columbus.gov

**Dear LORI LECLAIR,**

Thank you for your interest in Emerson Network Power, Liebert Services. 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, Emerson Network Power is the dedicated partner that you need to help you achieve your goals.

Please contact me directly at 614-841-8089 if you have any questions regarding the proposal. I look forward to your response and the opportunity to work together to improve your data center investment.

Sincerely,

JEFF DUMOND

610 Executive Campus Drive  
Suite 110  
Westerville, OH 43082

**PHONE** 614-841-8089  
**FAX** (614) 841-2750  
**EMAIL** jeff.dumond@emerson.com

**Order** Q01794887

**Liebert UPS Capacitor and Fan Replacement Services:**

- Please plan/allow 8-12 weeks for capacitor and fan replacement, (if applicable).
- Replacement of all DC Capacitors.
- Replacement of all Fans and Blowers (if applicable).
- Replacement of all AC Input, Output Capacitors.
- Replacement of all Commutation Capacitors, (if applicable).

**Standard Maintenance Contracts :**

**Site #: 39991**

Tag #	Description	Model #	Annual PM Qty.	Coverage Type (Coverage Dates)	Coverage Amount
1311115	NPOWER 100-130	37SA130AAA6S913	2	PREFERRED (4/19/2013) -(4/18/2014)	
	Cap Replacement 1 AC/DC Cap Replacement				\$5,660.66
	Cap Replacement 2 Fans				\$4,309.69
1311116	NPOWER 100-130	37SA130AAA6S912	2	PREFERRED (4/19/2013) -(4/18/2014)	
	Cap Replacement 1 AC/DC Cap Replacement				\$5,660.66
	Cap Replacement 2 Fans				\$4,309.69

**Standard Maintenance Contracts :**

**Site #: 106761**

Tag #	Description	Model #	Annual PM Qty.	Coverage Type (Coverage Dates)	Coverage Amount
1400757	NPOWER 100-130	37SA100A0C6EA57	2	PREFERRED (4/19/2013) -(4/18/2014)	
	Cap Replacement 1 AC/DC Cap Replacement				\$5,660.66
	Cap Replacement 2 Fans				\$4,309.69
1400760	NPOWER 100-130	37SA100A0C6EA57	2	PREFERRED (4/19/2013) -(4/18/2014)	
	Cap Replacement 1 AC/DC Cap Replacement				\$5,660.66
	Cap Replacement 2 Fans				\$4,309.69

**Total price not including tax: USD \$39,881.40**  
*any tax required must be included in customer purchase order*



# Proposal for Service

**Order Number: Q01794887**

Purchase Order must be assigned to:  
Emerson Network Power, Liebert Services, Inc.  
610 Executive Campus Dr  
Westerville OH 43082

Payment remittance address:  
Emerson Network Power, Liebert Services, Inc.  
PO Box 70474  
Chicago, IL 60673

FID# 43-1798453

PO should be mailed to:  
Emerson Network Power, Liebert Services, Inc.  
**610 Executive Campus Drive**  
**Suite 110**  
**Westerville, OH 43082**  
Attn: JEFF DUMOND

**Please provide the following information:**

Purchase Order Number: \_\_\_\_\_ \*Phone: \_\_\_\_\_

Billing Contact Person: \_\_\_\_\_ Fax #: \_\_\_\_\_

Person Authorizing Payment: \_\_\_\_\_ Phone: \_\_\_\_\_

Billing Company Name: \_\_\_\_\_ Federal Tax ID # \_\_\_\_\_

Billing Address: \_\_\_\_\_ Taxable? Yes No

Billing City, ST Zip: \_\_\_\_\_ If non-taxable, fax copy of tax exempt certificate

IT Contact Person: \_\_\_\_\_ \*\*Phone: \_\_\_\_\_

\* If a Purchase Order Number is provided, a hard copy must be included.  
\*\* IT Contact person required for Network Remote Monitoring contracts.

**\*\* COVERAGE DETAILS \*\***

For equipment not currently under a Service Agreement or for equipment for which the warranty has expired in excess of thirty (30) days, parts required to bring equipment back to manufacturers specifications are the responsibility of the Buyer and billable at the time of the first preventive maintenance visit or Service call. All pricing is valid only for Service coverage stated and is subject to change if this proposal is modified in any way. This proposal is valid for 30 days from the date of this proposal unless otherwise noted. It is understood that if acceptance of this proposal is acknowledged on the Buyer's purchase order, such acceptance will be subject to the terms and conditions of this proposal with the same force and effect as though they were included on the Buyer's purchase order.

Signature of this agreement authorizes Seller to invoice for Services mentioned herein and to utilize the provided purchase order number. If a purchase order number is not used, then the Buyer authorizes and guarantees Seller the payment of such invoices by authority of the signature below.

Thank you for your business.

Proposed By: \_\_\_\_\_

Accepted By: \_\_\_\_\_

**JEFF DUMOND** \_\_\_\_\_ Date

Buyer Signature Required \_\_\_\_\_ Date

Printed Name \_\_\_\_\_ Title



**UNINTERRUPTIBLE POWER SYSTEMS  
NPOWER AND S600/S610 MODELS ONLY  
SCOPE OF WORK**

**LIFE EXTENSION – FAN/BLOWER REPLACEMENT.**

- If equipment receiving capacitor replacement is covered under a “Preferred” or “Basic\*” service contract, capacitor replacement may be performed at the customer’s convenience (excluding national holidays).<sup>1</sup>
- If the equipment is covered under a “PM ONLY” service contract, capacitor replacement may be scheduled at the customer’s convenience or between 8am-5pm depending on the type of PM contract purchased (excluding national holidays).
- If the equipment is covered under an “Essential” service contract, capacitor replacement may be scheduled by the customer between 8am-5pm, Monday-Friday (excluding national holidays).
- Performed by Liebert factory trained Customer Engineers.
- Includes a complete replacement of all fans to be performed during the Annual preventive maintenance visit.
- Subject to all Terms & Conditions as noted in the Liebert Services Terms & Conditions.

<sup>1</sup>Additional travel charges apply for equipment covered under a “Basic” service contract.

**SERVICE PERFORMED**

**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.
7. Review system performance with customer to address any system questions.

**Note1: Unit must be de-energized to perform the replacements.**



**UNINTERRUPTIBLE POWER SYSTEMS  
ALL 3 PHASE MODELS - EXCEPT SERIES 300 AND NX 10-30 KVA  
SCOPE OF WORK**

**LIFE EXTENSION – DC CAPACITOR REPLACEMENT**

- Includes a complete replacement of all DC capacitors and fans to be performed during the Annual preventive maintenance visit.
- Performed by Liebert factory trained Customer Engineers.
- If equipment receiving capacitor replacement is covered under a “Preferred” or “Basic\*” service contract, capacitor replacement may be performed at the customer’s convenience (excluding national holidays).<sup>1</sup>
- If the equipment is covered under a “PM ONLY” service contract, capacitor replacement may be scheduled at the customer’s convenience or between 8am-5pm depending on the type of PM contract purchased (excluding national holidays).
- If the equipment is covered under an “Essential” service contract, capacitor replacement may be scheduled by the customer between 8am-5pm, Monday-Friday (excluding national holidays).
- Subject to all Terms & Conditions as noted in the Liebert Services Terms & Conditions.

<sup>1</sup>Additional travel charges apply for equipment covered under a “Basic” service contract.

**SERVICE PERFORMED**

**DC Capacitor 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.
12. Review system performance with customer to address any system questions.

**Note1: Unit must be de-energized to perform the replacements.**



## UNINTERRUPTIBLE POWER SYSTEMS ALL 3-PHASE MODELS SCOPE OF WORK

### LIFE EXTENSION – AC CAPACITOR REPLACEMENT

- Includes a complete replacement of all AC Input and Output Filter Capacitors to be performed during the Annual preventive maintenance visit.
- Performed by Liebert factory trained Customer Engineers.
- If equipment receiving capacitor replacement is covered under a “Preferred” or “Basic\*” service contract, capacitor replacement may be performed at the customer’s convenience (excluding national holidays).<sup>1</sup>
- If the equipment is covered under a “PM ONLY” service contract, capacitor replacement may be scheduled at the customer’s convenience or between 8am-5pm depending on the type of PM contract purchased (excluding national holidays).
- If the equipment is covered under an “Essential” service contract, capacitor replacement may be scheduled by the customer between 8am-5pm, Monday-Friday (excluding national holidays).
- Subject to all Terms & Conditions as noted in the Liebert Services Terms & Conditions.

<sup>1</sup>Additional travel charges apply for equipment covered under a “Basic” service contract.

### SERVICE PERFORMED

#### **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.
14. Review system performance with customer to address any system questions.

**Note1: Unit must be de-energized to perform the replacements.**