GSA CATALOG

MISSION CITY ELECTRIC
Contract: GS-07F-0277W
Schedule: 56 FSC Group 61

FSC CLASSES
6120  Transformers, Distribution and Power Station
6130  Converters, Electrical, Nonrotating
6145  Wire and Cable, Electrical
6150  Miscellaneous Electric Power and Distribution Equipment
SIN 412 14  Uninterruptible Power Supplies
SIN 412 15  Power Distribution Units (PDU’s)
SIN 412 19  Transformers
SIN 412 51  Installation and Site Preparation Services for Power Distribution Equipment
**TABLE OF CONTENTS**

Mission City has teamed with the industry’s leading manufacturers of electrical power quality equipment and products to provide the best Data Center and IT solutions possible. Our team has over forty years experience with government installation and design of Critical Power systems. We believe in personal integrity, quality products and absolute customer satisfaction.

<table>
<thead>
<tr>
<th>Products and Services</th>
<th>Page</th>
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</thead>
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<tr>
<td>SIN 412 14 Uninterruptible Power Supplies</td>
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<td>SIN 412 15 Power Distribution Units</td>
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</tr>
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<td>SIN 412 19 Transformers</td>
<td>10</td>
</tr>
<tr>
<td>SIN 412 51 Installation and Site Preparation Services for Power Distribution Equipment</td>
<td>11-16</td>
</tr>
</tbody>
</table>
**Ordering Information**

1. **Special Item Number:**
   - SIN 412 14  Uninterruptible Power Supplies
   - SIN 412 15  Power Distribution Units
   - SIN 412 19  Transformers
   - SIN 412 51  Installation and Site Preparation

2. **Maximum Order:**
   - SIN 412 14  $500,000.00
   - SIN 412 15  $150,000
   - SIN 412 19  $200,000
   - SIN 412 51  $200,000

3. **Minimum Order:**
   - All SIN’s  $100.00

4. **Geographic Coverage:**
   - (48) Contiguous United States and District of Columbia

5. **Points of Production:**
   - SIN 412 14  Mexico; Mexicali, Delaware, Ohio, Pompano Beach, FL.
   - SIN 412 15  Mexico; Mexicali, Delaware, Ohio, Lexington, KY, El Paso, TX, Columbia, MO
   - SIN 412 19  Monterrey Mexico; Huntington, IN

6. **Discounts:**
   - Included in prices

7. **Quantity Discounts:**
   - None

8. **Payment Terms:**
   - Net 30 Days

9. **Gov. Purchase Card:**
   - Yes

10. **Foreign Items:**
    - N/A

11. **Delivery:**
    - SIN 412 14  120 Days ARO
    - SIN 412 15  14 to 120 Days ARO
    - SIN 412 19  21 Days ARO
    - SIN 412 51  45 Days ARO

12. **FOB:**
    - Destination - (48) Contiguous United States and District of Columbia
13. Ordering Address: Mission City Electric  
   Attn: Tim Kerley  
   4403 Dividend, Suite 107  
   San Antonio, TX. 78219  
   (210) 333-2284 Office  
   (210) 333- Fax  
   tim@missioncityelectric.com

14. Payment Address: Mission City Electric  
   Attn: Accounting  
   4403 Dividend, Suite 107  
   San Antonio, TX. 78219  
   (210) 333-2284 Office  
   (210) 333- Fax

15. Warranty:  
   UPS CONUS 1 Year Parts & Labor  
   UPS OCONUS 1 Year Parts  
   PDU’s 1 Year Parts  
   Transformers 1 Year Parts

16. Export Packing: N/A

17. Data Universal Number System: DUNS Number 835387325

18. Central Contractor Registration: CCR #
UNINTERRUPTIBLE POWER SYSTEMS

Liebert Nfinity™, 4 - 20 kVA
On-Line UPS

Liebert Nfinity on-line UPS is a scalable system, designed with N + x parallel redundancy to provide a fault-tolerant network of power protection. Its modular design was devised to provide easy, user-installed upgrades as power demands grow. Configurations can be cost-effectively upgraded without re-investing in a new system or installation.

Liebert Nfinity UPS is available in scalable 4-16kVA and 12-20kVA models, 60 Hz. Modules are scalable in 4kVA increments. 208/120 volt 2 phase input/output.

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description (4-16kVA)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104S0112600</td>
<td>Nfinity 4kVA, Scaleable 16kVA, (1 power module, 1 battery module, 1 control module)</td>
<td>$6,454</td>
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<tr>
<td>N104S0212600</td>
<td>Nfinity 4kVA, Scaleable 16 kVA (1 power module, 2 battery modules, 1 control module)</td>
<td>$6,919</td>
</tr>
<tr>
<td>N104S0312600</td>
<td>Nfinity 4kVA, Scaleable 16 kVA (1 power module, 3 battery modules, 1 control module)</td>
<td>$7,383</td>
</tr>
<tr>
<td>N104S0412600</td>
<td>Nfinity 4kVA, Scaleable 16 kVA (1 power module, 4 battery modules, 1 control module)</td>
<td>$7,848</td>
</tr>
<tr>
<td>N104S0512600</td>
<td>Nfinity 4kVA, Scaleable 16 kVA (1 power module, 5 battery modules, 1 control module)</td>
<td>$8,312</td>
</tr>
<tr>
<td>N104S0612600</td>
<td>Nfinity 4kVA, Scaleable 16 kVA (1 power module, 6 battery modules, 1 control module)</td>
<td>$8,777</td>
</tr>
<tr>
<td>N108S0212600</td>
<td>Nfinity 8kVA, Scaleable 16 kVA (2 power modules, 2 battery modules, 1 control module)</td>
<td>$8,059</td>
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<tr>
<td>N108S0312600</td>
<td>Nfinity 8kVA, Scaleable 16 kVA (2 power modules, 3 battery modules, 1 control module)</td>
<td>$8,523</td>
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<tr>
<td>N108S0412600</td>
<td>Nfinity 8kVA, Scaleable 16 kVA (2 power modules, 4 battery modules, 1 control module)</td>
<td>$8,987</td>
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<tr>
<td>N108S0512600</td>
<td>Nfinity 8kVA, Scaleable 16 kVA (2 power modules, 5 battery modules, 1 control module)</td>
<td>$9,453</td>
</tr>
<tr>
<td>N108S0612600</td>
<td>Nfinity 8kVA, Scaleable 16 kVA (2 power modules, 6 battery modules, 1 control module)</td>
<td>$9,917</td>
</tr>
<tr>
<td>N112S0312600</td>
<td>Nfinity 12kVA, Scaleable 16 kVA (3 power modules, 3 battery modules, 1 control module)</td>
<td>$10,014</td>
</tr>
<tr>
<td>N112S0412600</td>
<td>Nfinity 12kVA, Scaleable 16 kVA (3 power modules, 4 battery modules, 1 control module)</td>
<td>$10,483</td>
</tr>
<tr>
<td>N112S0512600</td>
<td>Nfinity 12kVA, Scaleable 16 kVA (3 power modules, 5 battery modules, 1 control module)</td>
<td>$10,951</td>
</tr>
<tr>
<td>N116S0412600</td>
<td>Nfinity 16kVA, Scaleable 16 kVA (4 power modules, 4 battery modules, 1 control module)</td>
<td>$11,589</td>
</tr>
</tbody>
</table>
Liebert Nfinity UPS is available in scalable 4-16kVA and 12-20kVA models, 60 Hz. Modules are scalable in 4kVA increments. 208/120 volt 2 phase input/output.

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description (12-20kVA)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NB12S0312600</td>
<td>Nfinity 12kVA, Scaleable 20kVA (3 power modules, 3 battery modules, 1 control module)</td>
<td>$12,344</td>
</tr>
<tr>
<td>NB12S0412600</td>
<td>Nfinity 12kVA, Scaleable 20kVA (3 power modules, 4 battery modules, 1 control module)</td>
<td>$12,876</td>
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<tr>
<td>NB12S0512600</td>
<td>Nfinity 12kVA, Scaleable 20kVA (3 power modules, 5 battery modules, 1 control module)</td>
<td>$13,409</td>
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<tr>
<td>NB12S0612600</td>
<td>Nfinity 12kVA, Scaleable 20kVA (3 power modules, 6 battery modules, 1 control module)</td>
<td>$13,941</td>
</tr>
<tr>
<td>NB12S0712600</td>
<td>Nfinity 12kVA, Scaleable 20kVA (3 power modules, 7 battery modules, 1 control module)</td>
<td>$14,473</td>
</tr>
<tr>
<td>NB12S0812600</td>
<td>Nfinity 12kVA, Scaleable 20kVA (3 power modules, 8 battery modules, 1 control module)</td>
<td>$15,006</td>
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<tr>
<td>NB16S0412600</td>
<td>Nfinity 16kVA, Scaleable 20kVA (4 power modules, 4 battery modules, 1 control module)</td>
<td>$14,194</td>
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<tr>
<td>NB16S0512600</td>
<td>Nfinity 16kVA, Scaleable 20kVA (4 power modules, 5 battery modules, 1 control module)</td>
<td>$14,726</td>
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<tr>
<td>NB16S0612600</td>
<td>Nfinity 16kVA, Scaleable 20kVA (4 power modules, 6 battery modules, 1 control module)</td>
<td>$15,260</td>
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<tr>
<td>NB16S0712600</td>
<td>Nfinity 16kVA, Scaleable 20kVA (4 power modules, 7 battery modules, 1 control module)</td>
<td>$15,793</td>
</tr>
<tr>
<td>NB20S0512600</td>
<td>Nfinity 20kVA, Scaleable 20 kVA (5 power modules, 5 battery modules, 1 control module)</td>
<td>$16,620</td>
</tr>
<tr>
<td>NB20S0612600</td>
<td>Nfinity 20kVA, Scaleable 20 kVA (5 power modules, 6 battery modules, 1 control module)</td>
<td>$17,156</td>
</tr>
</tbody>
</table>

Additional models and options also available through this GSA Contract. Please contact Mission City Electric to discuss your requirements.

**INSTALLATION DESCRIPTION**

Detailed Installation Descriptions Located in Pages 11-16
UNINTERRUPTIBLE POWER SYSTEMS

Liebert Npower™, 30 - 130 kVA
On-Line UPS

The Liebert Npower features one of the industry’s smallest footprints in a full-featured, high power UPS system. All-digital controls allow for ultra-fast adjustments to changing loads. The Liebert Npower is rugged enough to handle load branch faults, input faults, 100% step loads, PDU startup inrush and motor-load startup.

Liebert Npower is available in seven models ranging from 30 kVA to 130 kVA; 208, 220, 240, 480 or 600VAC; 60 Hz. Multiple configuration options, including single module, 1+1 redundant for single bus systems, and single and dual input.

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP30I0001</td>
<td>Npower Single Module UPS - Single-Input 30 kVA Isolated Neutral, No Input Filter 208/208 volt</td>
<td>$14,853</td>
</tr>
<tr>
<td>NP30I0002</td>
<td>Npower Single Module UPS - Single-Input 30 kVA Isolated Neutral, No Input Filter 480/208 volt</td>
<td>$14,151</td>
</tr>
<tr>
<td>NP30I0003</td>
<td>Npower Single Module UPS - Single-Input 30 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
<td>$14,151</td>
</tr>
<tr>
<td>NP30I0004</td>
<td>Npower Single Module UPS - Single-Input 30 kVA Isolated Neutral, With Input Filter 208/208 volt</td>
<td>$15,796</td>
</tr>
<tr>
<td>NP30I0005</td>
<td>Npower Single Module UPS - Single-Input 30 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$15,093</td>
</tr>
<tr>
<td>NP30I0006</td>
<td>Npower Single Module UPS - Single-Input 30 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$15,093</td>
</tr>
<tr>
<td>NP40I0001</td>
<td>Npower Single Module UPS - Single-Input 40 kVA Isolated Neutral, No Input Filter 208/208 volt</td>
<td>$17,801</td>
</tr>
<tr>
<td>NP40I0002</td>
<td>Npower Single Module UPS - Single-Input 40 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
<td>$17,036</td>
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<tr>
<td>NP40I0003</td>
<td>Npower Single Module UPS - Single-Input 40 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
<td>$17,036</td>
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<tr>
<td>NP40I0004</td>
<td>Npower Single Module UPS - Single-Input 40 kVA Isolated Neutral, With Input Filter 208/208 volt</td>
<td>$18,684</td>
</tr>
<tr>
<td>NP40I0005</td>
<td>Npower Single Module UPS - Single-Input 40 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$18,098</td>
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<tr>
<td>NP40I0006</td>
<td>Npower Single Module UPS - Single-Input 40 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$18,098</td>
</tr>
</tbody>
</table>
## UNINTERRUPTIBLE POWER SYSTEMS

**Liebert Npower™, 30 - 130 kVA**  
**On-Line UPS**

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP50I0001</td>
<td>Npower Single Module UPS - Single-Input 50 kVA Isolated Neutral, No Input Filter 208/208 volt</td>
<td>$19,395</td>
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<tr>
<td>NP50I0002</td>
<td>Npower Single Module UPS - Single-Input 50 kVA Isolated Neutral, No Input Filter 480/208 volt</td>
<td>$18,510</td>
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<tr>
<td>NP50I0003</td>
<td>Npower Single Module UPS - Single-Input 50 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
<td>$18,510</td>
</tr>
<tr>
<td>NP50I0004</td>
<td>Npower Single Module UPS - Single-Input 50 kVA Isolated Neutral, With Input Filter 208/208 volt</td>
<td>$20,635</td>
</tr>
<tr>
<td>NP50I0005</td>
<td>Npower Single Module UPS - Single-Input 50 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$19,749</td>
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<tr>
<td>NP65I0001</td>
<td>Npower Single Module UPS - Single-Input 65 kVA Isolated Neutral, No Input Filter 208/208 volt</td>
<td>$21,577</td>
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<tr>
<td>NP65I0002</td>
<td>Npower Single Module UPS - Single-Input 65 kVA Isolated Neutral, No Input Filter 480/208 volt</td>
<td>$20,572</td>
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<tr>
<td>NP65I0003</td>
<td>Npower Single Module UPS - Single-Input 65 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
<td>$20,572</td>
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<tr>
<td>NP65I0004</td>
<td>Npower Single Module UPS - Single-Input 65 kVA Isolated Neutral, With Input Filter 208/208 volt</td>
<td>$22,988</td>
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<tr>
<td>NP65I0005</td>
<td>Npower Single Module UPS - Single-Input 65 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$21,989</td>
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<tr>
<td>NP65I0006</td>
<td>Npower Single Module UPS - Single-Input 65 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$21,989</td>
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<tr>
<td>NP80I0001</td>
<td>Npower Single Module UPS - Single-Input 80 kVA Isolated Neutral, No Input Filter 208/208 volt</td>
<td>$22,636</td>
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<tr>
<td>NP80I0002</td>
<td>Npower Single Module UPS - Single-Input 80 kVA Isolated Neutral, No Input Filter 480/208 volt</td>
<td>$21,635</td>
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<td>NP80I0003</td>
<td>Npower Single Module UPS - Single-Input 80 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
<td>$21,635</td>
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<tr>
<td>NP80I0004</td>
<td>Npower Single Module UPS - Single-Input 80 kVA Isolated Neutral, With Input Filter 208/208 volt</td>
<td>$24,051</td>
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<tr>
<td>NP80I0005</td>
<td>Npower Single Module UPS - Single-Input 80 kVA Isolated Neutral, With Input Filter 480/208 volt</td>
<td>$23,046</td>
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<tr>
<td>NP80I0006</td>
<td>Npower Single Module UPS - Single-Input 80 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$23,046</td>
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<tr>
<td>NP100I0001</td>
<td>Npower Single Module UPS - Single-Input 100 kVA Isolated Neutral, No Input Filter 208/208 volt</td>
<td>$</td>
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<tr>
<td>NP100I0002</td>
<td>Npower Single Module UPS - Single-Input 100 kVA Isolated Neutral, No Input Filter 480/208 volt</td>
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<td>NP100I0003</td>
<td>Npower Single Module UPS - Single-Input 100 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
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<tr>
<td>NP100I0004</td>
<td>Npower Single Module UPS - Single-Input 100 kVA Isolated Neutral, With Input Filter 208/208 volt</td>
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<tr>
<td>NP100I0005</td>
<td>Npower Single Module UPS - Single-Input 100 kVA Isolated Neutral, With Input Filter 480/208 volt</td>
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<tr>
<td>NP100I0006</td>
<td>Npower Single Module UPS - Single-Input 100 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
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</tr>
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</table>
UNINTERRUPTIBLE POWER SYSTEMS

Liebert Npower™, 30 - 130 kVA
On-Line UPS

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP130I0001</td>
<td>Npower Single Module UPS - Single-Input 130 kVA Isolated Neutral, No Input Filter 208/208 volt</td>
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<td>NP130I0002</td>
<td>Npower Single Module UPS - Single-Input 130 kVA Isolated Neutral, No Input Filter 480/208 volt</td>
<td>$23,806</td>
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<tr>
<td>NP130I0003</td>
<td>Npower Single Module UPS - Single-Input 130 kVA Isolated Neutral, No Input Filter 480/480 volt</td>
<td>$23,806</td>
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<tr>
<td>NP130I0004</td>
<td>Npower Single Module UPS - Single-Input 130 kVA Isolated Neutral, With Input Filter 208/208 volt</td>
<td>$26,526</td>
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<tr>
<td>NP130I0005</td>
<td>Npower Single Module UPS - Single-Input 130 kVA Isolated Neutral, With Input Filter 480/208 volt</td>
<td>$25,393</td>
</tr>
<tr>
<td>NP130I0006</td>
<td>Npower Single Module UPS - Single-Input 130 kVA Isolated Neutral, With Input Filter 480/480 volt</td>
<td>$25,393</td>
</tr>
</tbody>
</table>

Additional models and options also available through this GSA Contract. Please contact Mission City Electric to discuss your requirements.

Installation Description
Detailed Installation Descriptions Located in Pages 11-16

Liebert Series 610™, 100 - 1000 kVA
On-Line UPS

Liebert Series 610 UPS is designed to protect large-scale, mission-critical applications from the full range of power quality problems and outages. The space effective system is also extremely energy efficient, with an operating efficiency of up to 94%. Field-proven reliability and multiple configuration options make Liebert Series 610 an industry leader in power protection.

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G610150S001</td>
<td>610 Single Module System - Single-Input 150 KW, No Input Filter 208/208 volt</td>
<td>$49,638</td>
</tr>
<tr>
<td>G610150S002</td>
<td>610 Single Module System - Single-Input 150 KW, No Input Filter 480/208 volt</td>
<td>$46,535</td>
</tr>
<tr>
<td>G610150S003</td>
<td>610 Single Module System - Single-Input 150 KW, No Input Filter 480/480 volt</td>
<td>$43,280</td>
</tr>
<tr>
<td>G610225S001</td>
<td>610 Single Module System - Single-Input 225 KW, No Input Filter 208/208 volt</td>
<td>$59,593</td>
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<tr>
<td>G610225S002</td>
<td>610 Single Module System - Single-Input 225 KW, No Input Filter 480/208 volt</td>
<td>$55,256</td>
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<tr>
<td>G610225S003</td>
<td>610 Single Module System - Single-Input 225 KW, No Input Filter 480/480 volt</td>
<td>$49,590</td>
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</table>
UNINTERRUPTIBLE POWER SYSTEMS

Liebert Series 610™, 100 - 1000 kVA
On-Line UPS

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G610500S001</td>
<td>610 Single Module System - Single-Input 500/450 kVA/KW, No Input Filter 480/480 volt</td>
<td>$81,703</td>
</tr>
<tr>
<td>G6106250S001</td>
<td>610 Single Module System - Single-Input 625/500 kVA/KW, No Input Filter 480/480 volt</td>
<td>$97,461</td>
</tr>
<tr>
<td>G610750S001</td>
<td>610 Single Module System - Single-Input 750/675 kVA/KW, No Input Filter 480/480 volt</td>
<td>$121,605</td>
</tr>
<tr>
<td>G6101000S001</td>
<td>610 Single Module System - Single-Input 1000 kVA, No Input Filter 480/480 volt</td>
<td>$152,231</td>
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</tbody>
</table>

Additional models and options also available through this GSA Contract. Please contact Mission City Electric to discuss your requirements.

Installation Description
Detailed Installation Descriptions Located in Pages 11-16

Liebert® NXL™, 250-750 kVA
On-line UPS

Liebert NXL UPS provides reliable power protection and advanced technology for high power applications. It offers excellent dynamic performance, with the ability to handle virtually any input condition while still providing computer grade output to critical loads.

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>GNXL250S001</td>
<td>NXL Single Module System - Single-Input 250 kVA, No Input Filter 480/480 volt Standard</td>
<td>$61,108</td>
</tr>
<tr>
<td>GNXL300S001</td>
<td>NXL Single Module System - Single-Input 300 kVA, No Input Filter 480/480 volt Standard</td>
<td>$69,322</td>
</tr>
<tr>
<td>GNXL400S001</td>
<td>NXL Single Module System - Single-Input 400 kVA, No Input Filter 480/480 volt Standard</td>
<td>$77,270</td>
</tr>
<tr>
<td>GNXL750S001</td>
<td>NXL Single Module System - Single-Input 750 kVA, No Input Filter 480/480 volt Standard</td>
<td>$139,172</td>
</tr>
</tbody>
</table>

Additional models and options also available through this GSA Contract. Please contact Mission City Electric to discuss your requirements.

Installation Description
Detailed Installation Descriptions Located in Pages 11-16
POWER DISTRIBUTION SYSTEMS

Liebert Precision Power Center™ (PPC)
Power Conditioning and Distribution Cabinet

Liebert Precision Power Center power conditioning and distribution cabinet offers the benefits of a custom-tailored system, with the convenience and cost savings of a pre-packaged, factory-tested system. Housed in a single, self-contained cabinet, it combines distribution, computer-grade grounding, isolation, and power monitoring to provide the protection your vital computer or communications equipment demands.

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPA125C225</td>
<td>Power Distribution Unit 50kVA output, 480/208 input voltage</td>
<td>$7,831</td>
</tr>
<tr>
<td>PPA100C225</td>
<td>Power Distribution Unit 75kVA output, 480/208 input voltage</td>
<td>$8,503</td>
</tr>
<tr>
<td>PPA100C225</td>
<td>Power Distribution Unit 100kVA output, 480/208 input voltage</td>
<td>$9,270</td>
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<tr>
<td>PPA125C225</td>
<td>Power Distribution Unit 125kVA output, 480/208 input voltage</td>
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<td>PPA150C315</td>
<td>Power Distribution Unit 150kVA output, 480/208 input voltage</td>
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<td>PPA225C315</td>
<td>Power Distribution Unit 200kVA output, 480/208 input voltage</td>
<td>$13,627</td>
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<td>PPA225C315</td>
<td>Power Distribution Unit 225kVA output, 480/208 input voltage</td>
<td>$14,402</td>
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Additional models and options also available through this GSA Contract. Please contact Mission City Electric to discuss your requirements.

INSTALLATION DESCRIPTION
Detailed Installation Descriptions Located in Pages 11-16
Transformers

Energy Efficient Transformers
Produce low temperature rise for energy savings and longer life.

As the world leader in automation and electricity management, Schneider Electric can help you optimize your energy costs while enhancing your facility’s performance, reliability, safety and ease of use. Our package of solutions includes energy conservation, management and monitoring products, systems and services. All designed to help reduce your facility’s energy consumption.

<table>
<thead>
<tr>
<th>Manufacturer PN</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>EE15T3H</td>
<td>Energy Efficient Transformer, 3-Phase, 15kVA, 480VAC Delta, 208Y/120VAC</td>
<td>$2,541</td>
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<td>EE30T3H</td>
<td>Energy Efficient Transformer, 3-Phase, 30kVA, 480VAC Delta, 208Y/120VAC</td>
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<td>EE45T3H</td>
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<td>Energy Efficient Transformer, 3-Phase, 75kVA, 480VAC Delta, 208Y/120VAC</td>
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<td>EE112T3H</td>
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<td>EE225T3H</td>
<td>Energy Efficient Transformer, 3-Phase, 225kVA, 480VAC Delta, 208Y/120VAC</td>
<td>$14,042</td>
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</tbody>
</table>

Additional models and options also available through this GSA Contract. Please contact Mission City Electric to discuss your requirements.

INSTALLATION DESCRIPTION
Detailed Installation Descriptions Located in Pages 11-16
Installation and Site Preparation Services

1.0 UPS Installation
1.1 UPS Installation – Includes labor, tools and material handling equipment necessary to assemble and install a single, fully functioning UPS and one (1) battery cabinet system. Includes all labor and material to install and terminate the following properly sized equipment feeds:
- A 30 foot UPS Input feed
- A 30 foot UPS Output feed
  - All feeds shall terminate at a single point and to an existing appropriately sized over-current device within 30 feet of desired UPS equipment location without multiple taps.
  - All feeder paths shall be unobstructed and include up to two (2) 90 degree turns.
  - All feeds shall be sized for the largest kVA rating of the UPS module.
- Rubbish and packing material removal to site provided container
- All work shall comply with the latest (or as locally adopted) National Electric Code and local, state and federal standards.

2.0 UPS Removal
2.1 UPS Removal – Includes labor, tools and material handling equipment necessary to disconnect and remove one UPS system from the facility and move to facility loading dock.

3.0 UPS Disposal
3.1 UPS Disposal - Includes labor, tools and material handling equipment necessary to take UPS and Battery equipment from the loading dock, remove from premises and disposal with local, state or nationally approved recycling facilities. Provide a battery certificate of disposal where necessary.

4.0 Inside Delivery
4.1 Inside Delivery - Includes labor, tools and material handling equipment necessary to off-load a single UPS and Battery system from the delivery truck to inside the facility
- Facility shall be equipped with standard 48 inch high loading dock
- Uncrate and place within loading dock area (or inside the cover of the facility).

5.0 Remote Battery Cabinet – 10 Foot
5.1 Remote Battery Cabinet 10 Foot - Includes labor, tools and installation material (power & control circuits) to remotely place a UPS Battery System. Pricing and services are based on UPS kVA range, 10 foot increments and as indicated below.
- 10 – 160kVA: Single feed to 1st Battery. Remainder connected via factory jumpers.
- 161 – 1000kVA: Individual feed from UPS module to each battery cabinet.

6.0 Additional Battery Cabinet
6.1 Additional Battery Cabinet - Includes labor, tools and material handling equipment necessary to place and assemble additional battery cabinets greater than a standard 15 minute battery system.
Installation and Site Preparation Services

7.0 2-Wire, 3-Wire & 4-Wire Installation - 50 Feet
7.1 2-Wire, 3-Wire & 4-Wire Installation, 50 foot - Includes labor, tools and installation material to install a support feeder associated with a UPS system installation over the standard 30 foot increment allotment.
   • Includes 50 feet of type EMT conduit, wire, fittings and matching support.
   • Includes two (2) 90 degree bends.
   • Terminations at both ends, where necessary.
7.2 2-Wire, 3-Wire & 4-Wire Installation - 10 Feet Straight - Includes labor, tools and installation material to extend a support feeder on a 10 foot incremental add.
7.3 2-Wire, 3-Wire & 4-Wire Installation - 10 Feet Elbow - Includes labor, tools and installation material to extend a support feeder on a 10 foot incremental add and includes one 90 degree elbow.

8.0 Electrical Panels – Input and Output
8.1 Electrical Panels – Input and Output - Includes labor, tools and installation material necessary to furnish and install one feeder panel (excludes breakers) associated with a UPS system installation.
   • Panelboards shall be configured as follows:
     o 3Ø, 3-Wire, 208V or 480V
     o NEMA 1 configured panelboard
     o Construction: Galvanized Back-box with Interior and Exterior trim
     o Surface mount type
     o Bracing: Maximum 35kAIC (higher bracing available upon request)
       ▪ 65kAIC available upon request (typically 15% higher in cost)

9.0 Site Survey
9.1 Site surveys are based on three levels of service to accommodate various levels of complexity and requirements that a user / facility may have.
9.2 Site Survey, Level I – Based on UPS (new and replacement) requirements with minimum facility electrical modifications. Includes CONUS travel and labor to perform a field investigative survey of existing electrical and environmental conditions for a UPS requirement (new application or replacement) with a follow-up recommendation survey report with integration drawings.
   • Deliverables – Site survey report shall be delivered within 30 days after completion of site survey.
9.3 Site Survey, Level II – Based on UPS (new and replacement) requirements with additional electrical distribution, generator and ATS, minor HVAC applications of moderate facility modifications. Includes CONUS travel and labor to perform a field investigative survey of existing electrical and environmental conditions for a UPS requirement (new application or replacement) with a follow-up recommendation survey report with integration drawings.
   • Deliverables – Site survey report shall be delivered within 45 days after completion of site survey.
Installation and Site Preparation Services

9.4 Site Survey, Level III – Based on UPS (new and replacement) requirements with additional electrical distribution, generator and ATS, HVAC applications, fire suppression, civil and architectural facility modifications. Includes CONUS travel and labor to perform a field investigative survey of existing electrical and environmental conditions for a UPS requirement (new application or replacement) with a follow-up recommendation survey report with integration drawings.

- Deliverables – Site survey report shall be delivered within 60 days after completion of site survey.

10.0 Control Cable Installation – 50 & 10 foot Increments

10.1 Control Cable Installation – 50 & 10 foot Increments: Includes labor, tools and installation material necessary to furnish and install a single control cable associated with a UPS system installation.

- 50 Foot installations are based as follows:
  o Maximum six (6) single conductors or three (3) twisted pairs
  o Type EMT conduit.
  o Terminations at both ends.

- 10 Foot installations are based as follows:
  o Extend 50 Foot Control Cable Installation by 10 additional feet.

11.0 Conduit Wall or Floor Penetration

11.1 Conduit Wall or Floor Penetration - Includes labor, tools and material necessary to install (core or drill) a single wall or floor penetration associated with a UPS system installation. Patching and finishes are not included. The following types of penetrations are provided:

- Sheetrock or Drywall:
  o Maximum wall thickness - six (6) inches.
  o Fire stopping where required.

- CMU or Block Wall:
  o Maximum wall thickness - eight (8) inches.
  o Hallow or filled core.
  o Fire stopping where required.

- Concrete Wall / Floor:
  o Maximum wall / floor thickness - six (6) inches.
  o Raceway support system for through floor applications.
  o Fire stopping where required.

- X-Ray Services:
  o Provide necessary X-Ray equipment to x-ray proposed, client approved penetration locations.
  o Maximum thickness - eight (8) inches.

12.0 Power Cable Installation

12.1 Power Cable Installation – Includes labor, material, tools and material to furnish and install one power cable. These cables are typically associated with and sold concurrently with Power Distribution Units (PDU).

All power cables include the following:

- Sealtite flexible metal conduit (UL Listed), (2) connectors, (1) FX Aluminum receptacle box with cover, (1) appropriately sized receptacle, wire, (1) appropriately sized circuit breaker.
Installation and Site Preparation Services

13.0 Cable and Conduit Removal
13.1 Cable and Conduit Removal – Includes labor, tools and material necessary to disassemble and remove the following feeder sizes associated with the removal of a UPS system. Services are based on the following:

- Up to 350MCM Cable – 100 foot or 10 foot
  - Disconnect feeder at both termination ends
  - Remove wire from raceway.
  - Dismantle the raceway or conduit and support system.
  - Maximum working height: 12 feet
  - No lifting or telescopic lifting devices are included for extended height applications.

- Up to 750MCM Cable – 100 foot or 10 foot
  - Disconnect feeder at both termination ends
  - Remove wire from raceway.
  - Dismantle the raceway or conduit and support system.
  - Maximum working height: 12 feet
  - No lifting or telescopic lifting devices are included for extended height applications.

14.0 Electrical Panel Removal
14.1 Electrical Panel Removal – Includes labor, tools and material necessary to disassemble, remove and dispose of one panelboard associated with the removal of a UPS system. Services are based on the following panelboard sizes:

- Up to 225 Amps, 42 Ckts.
- Up to 400 Amps
- Up to 800 Amps
- Up to 1200 Amps

15.0 Electrical Panel Install
15.1 Electrical Panel Install - Includes labor, tools and material necessary to install one panelboard associated with the installation of a UPS system. The panelboard is not included. Services are based on the following panelboard sizes:

- Up to 225 Amps, 42 Ckts.
- 226 to 400 Amps
- 401 to 800 Amps
- 801 to 1200 Amps

16.0 Automatic Transfer Switch Install
16.1 Automatic Transfer Switch Install - Includes labor, tools and material necessary to place, anchor and install one automatic transfer switch associated with the installation of a UPS system. The automatic transfer switch is not included. Services are based on the following panelboard sizes:

- 100 to 400 Amps
- 600 to 1600 Amps
- 2000 to 3000 Amps
Installation and Site Preparation Services

17.0 Automatic Transfer Switch Removal
17.1 Automatic Transfer Switch Install - Includes labor, tools and material necessary to disassemble, remove and dispose of one automatic transfer switch associated with the installation of a UPS system. Services are based on the following panelboard sizes:
- 100 to 400 Amps
- 600 to 1600 Amps
- 2000 to 3000 Amps

18.0 Up to 3-Breaker Maintenance Bypass Panel Install
18.1 Up to 3-Breaker Maintenance Bypass Panel Install - Includes labor, tools and material necessary to place, anchor and install one 3-Breaker Maintenance Bypass panelboard associated with the installation of a UPS system. Services are based on the following panelboard sizes:
- 100, 225, 400, 600, 1000, or 1600 Amps

19.0 Isolation Transformer / PDU Install
19.1 Isolation Transformer / PDU Install - Includes labor, tools and material necessary to place, anchor and install one Isolation or Power Distribution Unit associated with the installation of a UPS system. Associated line and load feeds are not included. Services are based on the following Isolation Transformer / PDU sizes:
- 15 to 150kVA or 225 to 500kVA

20.0 Surge Suppressor / TVSS Install
20.1 Surge Suppressor / TVSS Install - Includes labor, tools and material necessary to place and install one Surge Suppressor / TVSS associated with the installation of a UPS system or panelboard. Includes associated line side feed and appropriately sized over-current device. Does not include the Surge Suppressor / TVSS device. Services are based on the following sizes:
- 115 to 240 Volts
- 277 to 600 Volts

21.0 Load Bank Installation
Load Bank Installation – Includes labor, tools and installation material necessary to install one load bank (furnished by others) and source feed associated with a UPS system installation. Services are based on the following load bank sizes:
- Load Bank Ampere Sizes
  - 200, 400, 600, 800, or 1000 Amps
- Concrete Pad, appropriately sized for the load bank unit
- Feeder Services / Descriptions
  - 100 Foot installations are based as follows:
    - Includes 100 feet of type EMT conduit, wire, fittings and matching support.
    - Feeder design: 3Ø, 3 Wire & Ground
    - Includes three (3) 90 degree bends.
    - Terminations at both ends.
  - 10 Foot installations are based as follows:
    - Includes extending above feed on a 10 foot incremental basis.
    - Type EMT conduit, wire, fittings and matching support.
    - Feeder design: 3Ø, 3 Wire & Ground
- Note: Roof-top applications are priced separately upon request.
Installation and Site Preparation Services

22.0 Load Bank Removal
22.1 Load Bank Removal – Includes labor, tools and material handling equipment necessary to take one load bank, associated with the installation of a UPS system, from a loading dock (or exterior location), remove from premises and disposal with local scrap or recycling facility. Crane services are not included for roof-top applications. Services are based on the following load bank feeder sizes:
- 200 to 600 Amps
- 800 to 1000 Amps

23.0 Existing Engine Generator Removal
23.1 Existing Engine Generator Removal – Includes labor, tools and material handling equipment necessary to disassemble one exterior, pad-mounted standby engine generator with weather enclosure and sub-base fuel tank, remove from premises and dispose with a local scrap / recycling facility or client’s on-site recycling facility. Services are based on the following engine generator sizes:
- 10 to 200kW
- 250 to 1000kW
- 1500 to 2000kW
- Excludes the following:
  - Interior or roof-top mounted generators, remote radiators, day tank or remote fuel cells (above or below ground).
  - Crane services for roof-top applications are not included.
  - Removal and disposal of diesel fuel.
- Note: Interior and roof-top applications are priced separately upon request.

24.0 Generator Day Tank Removal
24.1 Generator Day Tank Removal – Includes labor, tools and material handling equipment necessary to disassemble one generator day tank, remove from premises and dispose with a local scrap / recycling facility or client’s on-site recycling facility.
- Excludes the following:
  - Interior or roof-top mounted day tanks or remote fuel cells (above or below ground).
  - Crane services for roof-top applications are not included.
  - Removal and disposal of diesel fuel.
- Note: Interior and roof-top applications are priced separately upon request.

Contact Mission City Electric for GSA approved installation pricing.