**LIEBERT® NXL™ 500-750kVA, N+1 (CENTRAL BYPASS) MULTI-MODULE SYSTEM SITE PLANNING DATA**

### Table 1  Site planning data—500-750kVA

<table>
<thead>
<tr>
<th>UPS Rating</th>
<th>AC Input/Output Voltage, VAC</th>
<th>Input Isolation Transformer</th>
<th>Rectifier AC Input Current</th>
<th>Bypass/Output AC Current</th>
<th>Maximum Battery Current at End of Discharge (A)</th>
<th>Maximum Heat Dissipation, Full Load, BTU/h (kW)</th>
<th>Dimensions WxDxH, in. (mm)</th>
<th>Approx. Weight Unpacked, lb. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 450</td>
<td>480</td>
<td>YES</td>
<td>643 804</td>
<td>601</td>
<td>1241</td>
<td>124,805 (36.6)</td>
<td>111.6x39.4x76.8 (2835x1000x1950)</td>
<td>10,210 (4631)</td>
</tr>
<tr>
<td>625 562.5</td>
<td>480</td>
<td></td>
<td>799 995</td>
<td>752</td>
<td>1530</td>
<td>167,265 (49.0)</td>
<td>125x39.4x76.8 (3174x1000x1950)</td>
<td>13,100 (5942)</td>
</tr>
<tr>
<td>750 675</td>
<td>480</td>
<td></td>
<td>975 1219</td>
<td>902</td>
<td>1845</td>
<td>213,587 (62.6)</td>
<td>130x39.4x76.8 (3224x1000x1950)</td>
<td></td>
</tr>
<tr>
<td>750 675</td>
<td>575</td>
<td></td>
<td>815 1018</td>
<td>753</td>
<td>1851</td>
<td>215,790 (63.2)</td>
<td>130x39.4x76.8 (3224x1000x1950)</td>
<td></td>
</tr>
<tr>
<td>750 675</td>
<td>600</td>
<td></td>
<td>759 949</td>
<td>722</td>
<td>1845</td>
<td>200,173 (58.7)</td>
<td>130x39.4x76.8 (3224x1000x1950)</td>
<td></td>
</tr>
</tbody>
</table>

See Notes below: 1,3,6,7,8,10,11 2, 3,4,6,7,8,10,11 5,6,7,8,10,11 — 9,12 9,12

### Notes for Table 1

1. Nominal rectifier AC input current (considered continuous) is based on full rated output load. Maximum current includes nominal input current and maximum battery recharge current (considered non-continuous). Maximum input current is controlled by current limit setting which is adjustable 25 to 125% of nominal input current.
2. AC output current (considered continuous) is based on full rated output load.
3. Emerson recommends that feeder protection (by others) for the rectifier AC input and the bypass AC input be provided by separate overcurrent protection devices.
4. UPS output load cables must be run in separate conduit from input cables.
5. Power cable from module DC bus to battery should be sized for a total maximum 2.0V line drop (power cable drop plus return cable drop as measured at the module) at maximum discharge current.
6. Grounding conductors to be sized per NEC 250-95. Neutral conductors to be sized for full capacity-per NEC 310-16, Note 10-for systems with 4-wire loads and 20% minimum capacity for 3-wire loads.

**NOTE:** A neutral conductor is required from each Multi-Module Unit output to the System Bypass Switchgear.

7. Rectifier AC Input: 3-phase, 3-wire, plus ground
   Bypass AC Input: 3-phase, 4-wire, plus ground (3-wire plus ground in certain circumstances)
   AC Output to Load: 3-phase, 3- or 4-wire, plus ground
   Module DC Input from Battery: 2-wire (positive and negative), plus ground
   Module Output to SCC: 3-phase, 4-wire, plus ground
8. All wiring is to be in accordance with National and Local Electrical Codes.
9. Minimum overhead clearance is 2 ft. (0.6m) above the UPS.
10. Top or bottom cable entry through removable access plates. Cut plate to suit conduit size.
11. Control wiring and power cables must be run in separate conduits. Control wiring must be stranded tinned conductors.
12. Dimensions and weights do not include the System Control Cabinet required for Multi-Module Systems.
The Liebert NXL is compatible with High Resistance Ground Systems. See your local Emerson representative for details.