1. FOR OPTIONAL MOUNTING BRACKETS USE SHIPPING BRACKETS.
2. CENTER OF GRAVITY AND WEIGHT: SEE TABLE.
3. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE SUITABLE FOR COMPUTER OR ELECTRONIC EQUIPMENT.
4. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
5. AMBIENT TEMPERATURE RANGE SHOWN 15°C TO 30°C (59°F TO 86°F) RECOMMENDED OPERATING RANGE 20°C TO 25°C (68°F TO 77°F) MAXIMUM RELATIVE HUMIDITY: 80% NON-CONDENSING.
6. MINIMUM ROOMS OF 600 MM (23.6 IN) FRONT ACCESS AND 900 MM (35.4 IN) REAR ACCESS NEEDED FOR SERVICING.
7. MAXIMUM 401 MM (15.7 IN) CLEARANCE IN REAR, NOT INCLUDING CUSTOMER CONNECTION COVER IS NEEDED FOR VENTILATION EXHAUST.
8. MAXIMUM 228.6 MM (9 IN) CLEARANCE IN FRONT IS NEEDED FOR COOLING AIR INTAKE AND DOOR SWING.
9. THE UPS CABINET CAN BE INSTALLED IN LINE-UP AND MATCH OR STANDALONE CONFIGURATIONS.
10. BOTTOM OR TOP CABLE ENTRY THROUGH REMOVABLE CONDUIT LANDING PLATE.
11. ALL WIRING TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
12. AC INPUT TO UPS RECTIFIER 0.98 MIN PF: 3 PHASES, 1 NEUTRAL, 1 GROUND.
13. SPECIFICATIONS ARE SUBJECT TO CHANGE.

NOTES

**NOTE: UPS POSITIONS SHOWN ARE REQUIRED FOR ALL CONFIGURATIONS

<table>
<thead>
<tr>
<th>Rack Width</th>
<th>Height</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Bottom Entry</th>
<th>Right Side View</th>
<th>Rear View (Rear Panels Removed)</th>
<th>Bottom Entry Configuration</th>
</tr>
</thead>
</table>

**CUSTOMER CONNECTION COVER

**METRIC**

EATON CORPORATION

DESCRIPTION: BLADEUP Site Plan (Preconfigured) W/4POS Bladebar (Bottom Entry)

**NOTE:** UPS POSITIONS SHOWN ARE REQUIRED FOR ALL CONFIGURATIONS

<table>
<thead>
<tr>
<th>Component</th>
<th>Specifics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Breaker</td>
<td></td>
</tr>
<tr>
<td>Output Breaker</td>
<td></td>
</tr>
<tr>
<td>Load Breaker</td>
<td></td>
</tr>
<tr>
<td>Battery Breaker</td>
<td></td>
</tr>
</tbody>
</table>

**INPUT/OUTPUT PORTS**

<table>
<thead>
<tr>
<th>Port</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Communication Port</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>Load Connector</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>UPS Battery Connector</td>
<td>1</td>
</tr>
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</table>

**WEIGHT AND CENTER OF GRAVITY**

<table>
<thead>
<tr>
<th>Rack W/ 4 UPS</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
</table>
NOTES

1. FOR OPTIONAL MOUNTING BRACKETS USE SHIPPING BRACKETS.
2. CENTER OF GRAVITY AND WEIGHT: SEE TABLE
3. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE SUITABLE FOR
   COMPUTER OR ELECTRONIC EQUIPMENT.
4. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED
   ROOM FREE OF CONDUCTIVE CONTAMINANTS.
5. AMBIENT TEMPERATURE RANGE 0-40°C (32-104°F); RECOMMENDED OPERATING
   TEMPERATURE 25°C (77°F); MAXIMUM ELEVATION 2,000 FT (610 M) NON-CONDENSING.
6. MINIMUM 600MM (24 IN) FRONT ACCESS AND 600MM (24 IN) REAR ACCESS NEEDED
   FOR SERVICING.
7. MINIMUM 400 MM (15.7 IN) CLEARANCE IN REAR, NOT INCLUDING CUSTOMER
   CONNECTION COVER. IS NEEDED FOR VENTILATION EXHAUST.
8. MINIMUM 575MM (22.6 IN) CLEARANCE IN FRONT IS NEEDED FOR COOLING AIR INTAKE
   AND DOOR SWING.
9. THE UPS CABINET CAN BE INSTALLED IN LINE-UP-AND-MATCH OR STANDALONE
   CONFIGURATIONS.
10. BOTTOM OR TOP CABLE ENTRY THROUGH REMOVABLE CONDUIT LANDING PLATE.
11. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
12. AC INPUT TO UPS RECTIFIER (0.98 MIN PF): 3 PHASES, 1 NEUTRAL, 1 GROUND.
    DC INPUT TO UPS (EXTERNAL BATTERY ONLY): 1 POSITIVE, 1 NEGATIVE, 1 GROUND.
13. SIZES ARE SUBJECT TO CHANGE.

**NOTE: UPS POSITIONS SHOWN ARE REQUIRED FOR ALL
CONFIGURATIONS**

BOTTOM ENTRY

METRIC

EATON CORPORATION

DESCRIPTION: BLADEUPS SITEPLAN DIM (RECONFIG-WRITEOUT) W/4-POS BLADEBAR (BOTTOM ENTRY)

DESIGN:

DATE: 3-4-2011

SCALE: 1/4"=1'-0"

ROOM: 206

DRAWN BY: R. Sowards

CHECKED BY: M. Schirmer

EATON CORPORATION

NOTE: DRAFTING MATERIALS AND SPECIFICATIONS SHOWN ARE FOR
CONFIGURATIONS W/3-POS & 4-POS BLADEBARS.

WIREWAY
NOTES:
1. FOR OPTIONAL MOUNTING BRACKETS USE SHIPPING BRACKETS.
2. CENTER OF GRAVITY AND WEIGHT: SEE TABLE
3. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE SUITABLE FOR COMPUTER OR ELECTRONIC EQUIPMENT.
4. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
5. AMBIENT TEMPERATURE RANGE 0-40°C (32-104°F) RECOMMENDED OPERATING RANGE: 20-26°C (68-79°F) MAXIMUM RELATIVE HUMIDITY: 95% NON-CONDENSING.
6. MINIMUM 900MM (36 IN) FRONT ACCESS AND 900MM (36 IN) REAR ACCESS NEEDED FOR SERVICING.
7. MINIMUM 400 MM (15.7 IN) CLEARANCE IN REAR, NOT INCLUDING CUSTOMER CONNECTION COVER, IS NEEDED FOR VENTILATION EXHAUST.
8. MINIMUM 575MM (22.6 IN) CLEARANCE IN FRONT IS NEEDED FOR COOLING AIR INTAKE AND DOOR SWING.
9. THE UPS CABINET CAN BE INSTALLED IN LINE-UP-AND-MATCH OR STANDALONE CONFIGURATIONS. BOTTOM OR TOP CABLE ENTRY THROUGH REMOVABLE CONDUIT LANDING PLATE.
10. BOTTOM ENTRANCE MODIFIED TO SUIT CONDUIT SIZES.
11. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
12. AC INPUT TO UPS RECTIFIER (0.98 MIN PF): 3 PHASES, 1 NEUTRAL, 1 GROUND.
13. SPECIFICATIONS ARE SUBJECT TO CHANGE.

BOTTOM ENTRY

**NOTE: UPS POSITIONS SHOWN ARE REQUIRED FOR ALL CONFIGURATIONS**
1. For optional mounting brackets use shipping brackets.
2. Center of gravity and weight: See table.
3. The system must be installed on a level floor surface suitable for computer or electronic equipment.
4. The system must be installed in a temperature and humidity controlled indoor area free of conductive contaminants.
5. Ambient temperature range: 24°C to 50°C (75°F to 122°F) recommended operating range: 20°C to 25°C (68°F to 77°F) maximum relative humidity: 95% non-condensing.
6. Minimum 3000 mm (9.8 ft) front access and 3000 mm (9.8 ft) rear access needed for service.
7. Minimum 400 mm (15.7 in) clearance in rear, not including customer connection cover, is needed for ventilation exhaust.
8. Minimum 575 mm (22.6 in) clearance in front is needed for cooling air intake and door swing.
9. The UPS cabinet can be installed in line-up-and-match or standalone configurations.
10. Bottom or top cable entry through removable conduit landing plate. Plate shall be custom modified to suit conduit sizes.
11. All wiring is to be in accordance with national and local electric codes.
12. AC input to UPS rectifier (0.98 min PF): 3 phases, 1 neutral, 1 ground. AC output to load: 3 phases, 1 neutral, 1 ground.
13. Specifications are subject to change.

**NOTE: UPS positions shown are required for all configurations.**

<table>
<thead>
<tr>
<th>Issue Date</th>
<th>Revision</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/18/2021</td>
<td>A2</td>
<td>1/4</td>
</tr>
</tbody>
</table>

**WEIGHT AND CENTER OF GRAVITY**

<table>
<thead>
<tr>
<th>Configuration</th>
<th>CG A</th>
<th>CG B</th>
<th>CG C</th>
<th>Overall Weight</th>
</tr>
</thead>
</table>

**NOTES**

1. FOR OPTIONAL MOUNTING BRACKETS USE SHIPPING BRACKETS.
2. CENTER OF GRAVITY AND WEIGHT: SEE TABLE.
3. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE SUITABLE FOR COMPUTER OR ELECTRONIC EQUIPMENT.
4. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
5. AMBIENT TEMPERATURE RANGE 24°C TO 50°C (75°F TO 122°F) RECOMMENDED OPERATING RANGE: 20°C TO 25°C (68°F TO 77°F) MAXIMUM RELATIVE HUMIDITY: 95% NON-CONDENSING.
6. MINIMUM 3000 MM (9.8 FT) FRONT ACCESS AND 3000 MM (9.8 FT) REAR ACCESS NEEDED FOR SERVICE.
7. MINIMUM 400 MM (15.7 IN) CLEARANCE IN REAR, NOT INCLUDING CUSTOMER CONNECTION COVER, IS NEEDED FOR VENTILATION EXHAUST.
8. MINIMUM 575 MM (22.6 IN) CLEARANCE IN FRONT IS NEEDED FOR COOLING AIR INTAKE AND DOOR SWING.
9. THE UPS CABINET CAN BE INSTALLED IN LINE-UP-AND-MATCH OR STANDALONE CONFIGURATIONS.
10. BOTTOM OR TOP CABLE ENTRY THROUGH REMOVABLE CONDUIT LANDING PLATE. PLATE SHALL BE CUSTOM MODIFIED TO SUIT CONDUIT SIZES.
11. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
12. AC INPUT TO UPS RECTIFIER (0.98 MIN PF): 3 PHASES, 1 NEUTRAL, 1 GROUND. AC OUTPUT TO LOAD: 3 PHASES, 1 NEUTRAL, 1 GROUND.
13. SPECIFICATIONS ARE SUBJECT TO CHANGE.
1. For optional mounting brackets, use shipping brackets.
2. Center of gravity and weight: see Table
3. The system must be installed on a level floor surface suitable for computer or electronic equipment.
4. Temperature and humidity controlled indoor area free of conductive contaminants.
5. Minimum operating range 20-25°C (68-77°F), maximum relative humidity 95% non-condensing.
6. Minimum 900 mm (36 in) front access and 900 mm (36 in) rear access needed for servicing.
7. Maximum 400 mm (15.7 in) clearance in rear, not including customer connection cover.
8. Minimum 22.8 in clearance in front is needed for cooling air intake and door swing.
9. The UPS cabinet can be installed in line-up-and-match or stand-alone configurations.
10. Bottom or top cable entry through removable conduit landing plate. Plate shall be custom modified to suit conduit sizes.
11. All wiring is to be in accordance with national and local electric codes.
12. AC input to UPS rectifier (0.98 min PF): 3 phases, 1 neutral, 1 ground.
13. DC input to UPS (external battery only): 1 positive, 1 negative, 1 ground.
14. Specifications are subject to change.

**NOTE:** UPS positions shown are required for all configurations.
1. For optional mounting brackets use shipping brackets.
2. Center of gravity and weight: See table.
3. The system must be installed on a level floor surface suitable for computer or electronic equipment.
4. The system must be installed in a temperature and humidity controlled indoor area free of conductive contaminants.
6. Monitor and control panel: (88 in front access and 38 in rear access needed for servicing).
7. Minimum 900mm (36 in) clearance in front, not including customer connection cover, is needed for ventilation exhaust.
8. Minimum 600mm (24 in) clearance in front is needed for cooling air intake and door swing.
9. The UPS cabinet can be installed in line-up-and-match or standalone configurations.
10. Bottom or top cable entry through removable conduit landing plate. Plate shall be custom modified to suit conduit size.
11. All wiring is to be in accordance with National and Local Electric Codes.
12. AC input to UPS rectifier (0.98 min PF): 3 phases, 1 neutral, 1 ground.
13. DC input to UPS (external battery only): 1 positive, 1 negative, 1 ground.
14. Minimum 400 mm (15.7 in) clearance in rear, not including customer connection cover, is needed for ventilation exhaust.
15. Minimum 575mm (22.6 in) clearance in front is needed for cooling air intake and door swing.
16. The UPS cabinet can be installed in line-up-and-match or standalone configurations.
17. All wiring is to be in accordance with National and Local Electric Codes.
18. AC output to load: 3 phases, 1 neutral, 1 ground.
19. DC input to UPS (external battery only): 1 positive, 1 negative, 1 ground.
1. For optional mounting brackets use shipping brackets.
2. Center of gravity and weight: see table.
3. The system must be installed on a level, floor surface suitable for computer or electronic equipment.
4. The system must be installed in a temperature and humidity controlled indoor area.
5. Ambient temperature range: 0-40°C (32-104°F) recommended operating range: 26°C (78°F). Maximum relative humidity: 95% non-condensing.
6. Minimum 900mm (36 in) front access and 600mm (24 in) rear access needed for servicing.
7. Minimum 400 mm (15.7 in) clearance in front is needed for ventilation exhaust.
8. Minimum 575mm (22.6 in) clearance in front is needed for cooling air intake and door swing.
9. The UPS can be installed in line-up-and-match or standalone configurations.
10. Bottom or top cable entry through removable conduit landing plate. Plate shall be custom modified to suit conduit sizes.
11. All wiring is to be in accordance with National and Local Electric Codes.
12. AC input to UPS rectifier (0.98 min PF): 3 phases, 1 neutral, 1 ground. AC output to load: 3 phases, 1 neutral, 1 ground.
13. Specifications are subject to change.

**Note: UPS positions shown are required for all configurations.**
1. FOR OPTIONAL MOUNTING BRACKETS USE SHIPPING BRACKETS.
2. CENTER OF GRAVITY AND WEIGHT: SEE TABLE
3. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE SUITABLE FOR COMPUTER OR ELECTRONIC EQUIPMENT.
4. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
5. AMBIENT TEMPERATURE RANGE 3.0°C TO 30.0°C (37°F TO 86°F) RECOMMENDED OPERATING TEMPERATURE RANGE 3.0°C TO 27.0°C (37°F TO 80°F) NON-CONDITIONING.
7. MINIMUM 400 MM [15.7 IN] CLEARANCE IN REAR, NOT INCLUDING CUSTOMER CONNECTION COVER, 10 IN NEEDS FOR VENTILATION EXHAUST.
8. MINIMUM 575 MM [22.6 IN] CLEARANCE IN FRONT IS NEEDED FOR COOLING AIR INTAKE AND DOOR SWING.
9. THE SYSTEM CAN BE INSTALLED IN LINE-UP-AND-MATCH OR STANDALONE CONFIGURATIONS.
10. BOTTOM OR TOP CABLE ENTRY THROUGH REMOVABLE CONDUIT LANDING PLATE. PLATE SHALL BE CUSTOM MODIFIED TO SUIT CONDUIT SIZES.
11. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
12. AC INPUT TO UPS RECTIFIER (0.94 MIN PF): 3 PHASES, 1 NEUTRAL, 1 GROUND.
   DC INPUT TO UPS (EXTERNAL BATTERY ONLY): 1 POSITIVE, 1 NEGATIVE, 1 GROUND.
13. SPECIFICATIONS ARE SUBJECT TO CHANGE.

**NOTE: UPS POSITIONS SHOWN ARE REQUIRED FOR ALL CONFIGURATIONS**

METRIC

EATON CORPORATION

DESCRIPTION: BLADEUPS SYSTEM (PRECONFIGURED) WITH 7-POS. BLADEBAR (BOTTOM ENTRY)

**NOTE:** UPS POSITIONS SHOWN ARE REQUIRED FOR ALL CONFIGURATIONS.
1. For optional mounting brackets use shipping brackets.
2. Center of gravity and weight, see table.
3. The system must be installed on a level floor surface suitable for computer or electronic equipment.
4. The system must be installed in a temperature and humidity controlled indoor area free of conductive contaminants.
5. Ambient temperature range: 0°C to 40°C. Recommended operating range: 20°C to 40°C. Maximum relative humidity: 95% non-condensing.
6. Minimum 90 mm [3.54"] front access and 3 mm [0.12"] rear access needed for servicing.
7. Minimum 45 mm [1.77"] clearance in rear, not including customer connection cover. Is needed for ventilation exhaust.
8. Minimum 22.84" clearance in front is needed for cooling air intake and door swing.
9. The UPS cabinet can be installed in line-up-and-match or standalone configurations.
10. Bottom or top cable entry through removable conduit landing plate. Plate shall be custom modified to suit conduit sizes.
11. All wiring is to be in accordance with national and local electric codes.
12. AC input to UPS rectifier (0.98 MIN PF): 3 phases, 1 neutral, 1 ground.
DC output to load: 3 phases, 1 neutral, 1 ground.
AC input to UPS (external battery only): 1 positive, 1 negative, 1 ground.
13. Specifications are subject to change.

**NOTE:** UPS positions shown are required for all configurations.
### TABLE 1 - PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>NUMBER OF UPS MODULES</th>
<th>UPS RATING</th>
<th>AC INPUT VOLTAGE</th>
<th>AC OUTPUT VOLTAGE</th>
<th>INTERNAL BREAKER RATINGS</th>
<th>RATED AC INPUT CURRENT NAMEPLATE</th>
<th>RATED AC OUTPUT CURRENT NAMEPLATE</th>
<th>INPUT OVERCURRENT PROTECTION NEEDED</th>
<th>MAX HEAT DISSIPATION AT 100% LOAD</th>
<th>KVA</th>
<th>KW</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12 kW</td>
<td>208/120</td>
<td>208/120</td>
<td>50A</td>
<td>36</td>
<td>33.3</td>
<td>83</td>
<td>1.2 (4094)</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>24 kW</td>
<td>208/120</td>
<td>208/120</td>
<td>50A</td>
<td>54</td>
<td>54.4</td>
<td>100</td>
<td>2.4 (8088)</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>3</td>
<td>36 kW</td>
<td>208/120</td>
<td>208/120</td>
<td>50A</td>
<td>72</td>
<td>72.2</td>
<td>150</td>
<td>3.6 (12282)</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>4</td>
<td>48 kW</td>
<td>208/120</td>
<td>208/120</td>
<td>50A</td>
<td>90</td>
<td>90.2</td>
<td>190</td>
<td>4.8 (16376)</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>1</td>
<td>12 kW</td>
<td>400/230</td>
<td>400/230</td>
<td>25A</td>
<td>16</td>
<td>16.0</td>
<td>35</td>
<td>0.6 (12282)</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>24 kW</td>
<td>400/230</td>
<td>400/230</td>
<td>25A</td>
<td>33</td>
<td>33.3</td>
<td>65</td>
<td>1.2 (4094)</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>3</td>
<td>36 kW</td>
<td>400/230</td>
<td>400/230</td>
<td>25A</td>
<td>51</td>
<td>51.1</td>
<td>90</td>
<td>2.4 (8088)</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>4</td>
<td>48 kW</td>
<td>400/230</td>
<td>400/230</td>
<td>25A</td>
<td>69</td>
<td>69.2</td>
<td>120</td>
<td>4.8 (16376)</td>
<td>48</td>
<td>48</td>
</tr>
</tbody>
</table>

### TABLE 2 - CUSTOMER WIRING

<table>
<thead>
<tr>
<th>WIRES</th>
<th>ACCEPTED WIRE RANGE</th>
<th>TORQUE RATING</th>
<th>RECOMMENDED WIRE SIZE FOR COPPER</th>
<th>STRANDED WIRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>INPUT PHASE WIRES</td>
<td>4 AWG TO 350 kcmil</td>
<td>31.1 [275]</td>
<td>NOTE: WIRE GAUGE DEPENDS ON OVERCURRENT PROTECTION RATING REQUIRED (SEE TABLE 1).</td>
<td></td>
</tr>
<tr>
<td>INPUT NEUTRAL WIRE</td>
<td>6 AWG TO 350 kcmil</td>
<td>31.1 [275]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OUTPUT PHASE WIRES</td>
<td>4 AWG TO 350 kcmil</td>
<td>31.1 [275]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OUTPUT NEUTRAL WIRE</td>
<td>6 AWG TO 350 kcmil</td>
<td>31.1 [275]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GROUND WIRES</td>
<td>4 AWG TO 350 kcmil</td>
<td>31.1 [275]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**POWER WIRING**

**INPUT-OUTPUT POWER WIRING**

**M E T R I C**

**EATON CORPORATION**

**NOTE:** THIS PART OF THE PRODUCT DESCRIPTION IS FOR REFERENCE ONLY. IT IS NOT A PART OF THE ORDER, AND THE SPECIFICATIONS ARE NOT BINDING UNTIL A SIGNED PURCHASE ORDER HAS BEEN RECEIVED. ANY CHANGES TO THE SPECIFICATIONS WILL BE NOTIFIED IN WRITING. THE MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES TO THE PRODUCT SPECIFICATIONS WITHOUT NOTICE. THE END USER OF THE PRODUCT IS RESPONSIBLE FOR THE CORRECT INSTALLATION AND USE OF THE PRODUCT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE CODE REQUIREMENTS. ANY CUSTOMER-DEFINED REQUIREMENTS MUST BE IN WRITING AND AGREED TO BY THE MANUFACTURER. ANY ADDITIONAL REQUIREMENTS INCURRED DUE TO CUSTOMER-DIFFERENTIATED REQUIREMENTS ARE THE RESPONSIBILITY OF THE CUSTOMER. THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND MAY NOT BE USED, COPIED, OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF THE MANUFACTURER.