# MICRO SHELF AND MICROPACK PANEL MOUNT PRODUCT GUIDE

## REVISION CHANGE HISTORY

<table>
<thead>
<tr>
<th>Change Number</th>
<th>Date</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/N Release</td>
<td>3/14/2011</td>
<td>1</td>
</tr>
<tr>
<td>ACC Wiring Page Section 8</td>
<td>4/9/2011</td>
<td>2</td>
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<tr>
<td>1. ADD SYSTEM DESCRIPTION IN &quot;COVER&quot; PAGE</td>
<td>4/10/2012</td>
<td>3</td>
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<tr>
<td>2. RE-ORDER THE SECTIONS CHANGE SECTION 1.1 TO 7.2, CHANGE SECTION 1.3 TO 6.1</td>
<td>4/10/2012</td>
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<td>3. CHANGE SECTION 4 TO 5, SECTION 8 TO 7.2, SECTION 9 TO 7.1</td>
<td>4/10/2012</td>
<td>3</td>
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<tr>
<td>4. CHANGE SECTION 7 TO 6, SECTION 6 TO 5.2, SECTION 8 TO 5.1</td>
<td>4/10/2012</td>
<td>3</td>
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<tr>
<td>5. CHANGE SECTION 6 TO 5.1, SECTION 7 TO 5</td>
<td>4/10/2012</td>
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<td>6. ADD TABLE 40, UPDATE TABLE 23 IN SECTION 2</td>
<td>4/10/2012</td>
<td>3</td>
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<tr>
<td>7. ADD TABLE 41 (CHANGE 33 TO 31), ADD S11 P/N 3202327 AND 512 P/N 3203125</td>
<td>4/10/2012</td>
<td>3</td>
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<tr>
<td>8. UPDATE TABLE 34 (ADD P/N 2471069/72)</td>
<td>4/10/2012</td>
<td>3</td>
</tr>
<tr>
<td>9. UPDATE TABLE 42 (ADD P/N 2471205/32)</td>
<td>4/10/2012</td>
<td>3</td>
</tr>
<tr>
<td>10. UPDATE TABLE 43 (ADD P/N 2471205/32)</td>
<td>4/10/2012</td>
<td>3</td>
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<tr>
<td>11. ADD DOCUMENT SECTION AND NOTED IN TABLE 2</td>
<td>4/10/2012</td>
<td>3</td>
</tr>
</tbody>
</table>

## Notes

- Change 1 in Table 3 to 246444 (P/N 3950332 is deleted) in Table 7B.
- AC can change in the description of 24, 25, and 51 in Section 3.0
- ADD GROUP NUMBER 4A AND 4B IN TABLE 36
- ADD S11 P/N 3202327 AND S12 P/N 3203125 IN TABLE 36
- ADD THE DESCRIPTION OF 2A, 2B, AND 51 IN SECTION 3.0 (NOTE: THE SAME AS 2A, 2B, AND 51 IN SECTION 3.0)
- ADD P/N 2471069/72, 2471205/32, 2471205/32, 2471205/32 IN TABLE 43
- ADD "CURRENT CROSSES COMPARE" IN THE DESCRIPTION, ADD "CROSS COMPARISON" FOR SYSTEM INTERFERENCE IF USED WITH 62 SERIES WITH 55 IN SECTION 3.1. CONNECT X BETWEEN PRJ CG AND SYSTEM MOUNT IN 63 NOTE IN SECTION 3.0.
MICROSHELF AND MICROPACK PANEL MOUNT PRODUCT GUIDE

MICROPACK POWER SYSTEM DESCRIPTION

UPxx Rx Sx Bx Dx Dx Dx

The 1st "x" is output position, can be 1, 2, 4 or 8.
The 2nd "x" is output polarity, can be P (from side for positive) or N (stems for negative).
## SECTION 1  MICROPACK MOUNTING PANEL OR SHELF SELECTION

### TABLE 1  MOUNTING PARTS LIST  MUST SELECT ONE

<table>
<thead>
<tr>
<th>GROUP NUMBER</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>WIDTH (IN)</th>
<th>DEPTH (IN) INCLUDING RECESS</th>
<th>HEIGHT Including RECESS</th>
<th>SHIELD WIDTH (IN)</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1</td>
<td>288430</td>
<td>DIN RAIL MOUNTING PANEL 19&quot; wide, 4 RU, NO PNL INCL.</td>
<td>10</td>
<td>8.20</td>
<td>4</td>
<td>19.75</td>
<td></td>
</tr>
<tr>
<td>R2</td>
<td>278670</td>
<td>DIN RAIL MOUNTING PANEL, 25&quot; wide, 4 RU, NO PNL INCL.</td>
<td>23</td>
<td>8.20</td>
<td>4</td>
<td>19.68</td>
<td></td>
</tr>
<tr>
<td>R3</td>
<td>224668</td>
<td>DIN RAIL, 34mm x 7.6mm, SLIGHTLY 2.16 (34mm) WIDE</td>
<td>2.18</td>
<td>8.20</td>
<td>4</td>
<td>2.18</td>
<td></td>
</tr>
<tr>
<td>R4</td>
<td>264828 268888</td>
<td>DIN RAIL MOUNTING PANEL, 19&quot; wide, 4 RU, NO PNL INCL.</td>
<td>10</td>
<td>8.75</td>
<td>4</td>
<td>19.75</td>
<td></td>
</tr>
<tr>
<td>R5</td>
<td>297412 297415</td>
<td>DIN RAIL MOUNTING PANEL, 37&quot; wide, 4 RU, NO PNL INCL.</td>
<td>23</td>
<td>6.75</td>
<td>4</td>
<td>19.68</td>
<td></td>
</tr>
<tr>
<td>R6</td>
<td>296742</td>
<td>DIN RAIL, 19.75 (500mm), 1.4&quot; (35mm) x 0.6&quot; (15mm)</td>
<td>19.75</td>
<td>4.30</td>
<td>4</td>
<td>19.75</td>
<td></td>
</tr>
</tbody>
</table>

ALL SHELVES ARE PRECISION-CUT, SEE SECTION 7.0 FOR AMPLIFIED PART NUMBERS.

**R1** - 19" DIN RAIL MOUNTING PANEL (R2 - 25" DIN RAIL MOUNTING PANEL)

**R3** - DIN RAIL FOR STANDALONE BACKPLANE

**R4** - 19" SEISMIC DIN RAIL MOUNTING PANEL (R5 - 25" SEISMIC DIN RAIL MOUNTING PANEL)

**R6** - SHELF TOP VIEW

**R8** - SHELF (BACKPLANE AND DISTRIBUTION FOR REFERENCE)

**R9** - SHELF TOP VIEW (BACKPLANE AND DISTRIBUTION FOR REFERENCE)

**R10** - SHELF (BACKPLANE AND DISTRIBUTION FOR REFERENCE)

**NOTE: R3 IS ONLY FOR STANDALONE BACKPLANE**
# Section 2.0 Rectifier or DC/DC Converter Backplane, Must Select One

## Table 2A Rectifier Backplane

<table>
<thead>
<tr>
<th>Group Number</th>
<th>Part Number</th>
<th>Description</th>
<th>Output Voltage DC</th>
<th>Max. Output Current A (A)</th>
<th>Rectifier Positions</th>
<th>Output and Connection</th>
<th>AC Input Terminal Block</th>
<th>AC Input Feed Per System</th>
<th>Max. AC Input Current A (A)</th>
<th>AC Terminal Style</th>
<th>AC Input Wire Max. Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>241102.000</td>
<td>Single Ac/Dc rectifier backplane unit</td>
<td>48, 24V, 12V</td>
<td>48/24/16A</td>
<td>2</td>
<td>CTR 1</td>
<td>Terminal Block</td>
<td>2</td>
<td>160W</td>
<td>R2</td>
<td>1.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Single Ac/Dc terminal block, max. 16A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- CTR 2 Bulk Outputs, Terminal Blocks, max. 16A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Module Failure Alarm Output, Terminal Blocks, max. 16A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

## Table 2B DC/DC Converter Backplane

<table>
<thead>
<tr>
<th>Group Number</th>
<th>Part Number</th>
<th>Description</th>
<th>Output Voltage DC</th>
<th>DC/DC Converter Positions</th>
<th>Output and Connection</th>
<th>DC Input Terminal Block</th>
<th>DC Input Feed Per System</th>
<th>Max. DC Input Current A (A)</th>
<th>DC Terminal Style</th>
<th>DC Input Wire Max. Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S10</td>
<td>241102.000</td>
<td>Single Ac/Dc converter backplane unit</td>
<td>12V</td>
<td>12A</td>
<td>1</td>
<td>CTR 1</td>
<td>Terminal Block</td>
<td>15A PER FEED</td>
<td>R2</td>
<td>1.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Single DC Input, Terminal Blocks, max. 12A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- CTR 2 Bulk Outputs, Terminal Blocks, max. 16A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Module Failure Alarm Output, Terminal Blocks, max. 16A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Table 2C Coding Pin Setting

<table>
<thead>
<tr>
<th>Rectifier Output Voltage</th>
<th>Coding Pins to Remove</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 VDC</td>
<td>2 and 3</td>
</tr>
<tr>
<td>24 VDC</td>
<td>1 and 4</td>
</tr>
<tr>
<td>12 VDC</td>
<td>1 and 4</td>
</tr>
</tbody>
</table>

**Note:**
1. The backplanes (S2 and S3) are keyed with removable coding pins to prevent the use of the incorrect rectifier (based on output voltage). The appropriate coding pins must be removed from the backplane before micropack rectifiers can be installed. See Table 3B and picture "Coding Pin Setting."  
2. Do not remove coding pins from micropack rectifiers.
### SECTION 4 CONTROLLER AND CONTROLLER ACCESSORIES

#### TABLE 4A COMPACT CONTROLLER WITH CONFIGURATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th># OF OUTPUT</th>
<th># OF CONFIGURABLE INPUTS</th>
<th>INPUTS</th>
<th>OUTPUTS</th>
<th>WIDTH (IN)</th>
<th>DEPTH (IN)</th>
<th>HEIGHT (IN)</th>
<th>EST. WEIGHT (LBS)</th>
<th>APPARENT BASE FOOTPRINT</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>242100.400.00001</td>
<td>COMPACT +48V I/O STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00002</td>
<td>COMPACT +48V I/O (DIODE) STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00003</td>
<td>COMPACT +24V I/O STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D3, D4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00004</td>
<td>COMPACT +24V I/O (DIODE) STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D3, D4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00005</td>
<td>COMPACT +12V I/O STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D5, D6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00006</td>
<td>COMPACT +12V I/O (DIODE) STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D5, D6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00008</td>
<td>COMPACT +12V I/O (DIODE) STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D8, D8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00010</td>
<td>COMPACT +12V I/O (DIODE) STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D8, D8</td>
<td></td>
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<td>242100.400.00011</td>
<td>COMPACT +12V I/O (DIODE) STANDARD</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D8, D8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>242100.400.00015</td>
<td>COMPACT +10V DC I/O (DO) FOR DC/DC option</td>
<td>3</td>
<td>3</td>
<td>CE, UL, RABE COMPLIANT</td>
<td>1.25</td>
<td>0.26</td>
<td>2</td>
<td>0.53</td>
<td>D2</td>
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#### TABLE 4B CONTROLLER ACCESSORIES, SELECT IF NECESSARY

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>OUTPUTS</th>
<th>INPUTS</th>
<th>AGENCY APPROVAL</th>
<th>WIDTH (IN)</th>
<th>DEPTH (IN)</th>
<th>HEIGHT (IN)</th>
<th>EST. WEIGHT (LBS)</th>
<th>APPARENT BASE FOOTPRINT</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>290010</td>
<td>BATTERY MONITOR, 12V DC, TOP</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>20000.300.012-V</td>
</tr>
<tr>
<td>242100.331.0001</td>
<td>CAN POWER MODULE</td>
<td>CAN/RJ45 TERMINALS</td>
<td>CAN/RJ45 TERMINALS</td>
<td>CAN/RJ45 TERMINALS</td>
<td>CAN/RJ45 TERMINALS</td>
<td>5.03</td>
<td>4.25</td>
<td>1.58</td>
<td>0.8</td>
<td>1DC CE CB (COM)</td>
</tr>
<tr>
<td>220000</td>
<td>BATTERY MONITOR CAN BUS MODULE</td>
<td>CAN BUS TERMINALS</td>
<td>CAN BUS TERMINALS</td>
<td>CAN BUS TERMINALS</td>
<td>CAN BUS TERMINALS</td>
<td>4.0</td>
<td>3.0</td>
<td>1.0</td>
<td>1.2</td>
<td>V3</td>
</tr>
<tr>
<td>242100.331.0001</td>
<td>LOAD MONITOR MODULE</td>
<td>B + COMPARISON FAILURE OUTPUT</td>
<td>B + COMPARISON FAILURE OUTPUT</td>
<td>B + COMPARISON FAILURE OUTPUT</td>
<td>B + COMPARISON FAILURE OUTPUT</td>
<td>6.12</td>
<td>2.78</td>
<td>1.20</td>
<td>0.4</td>
<td>V4</td>
</tr>
<tr>
<td>242100.391.0001</td>
<td>V/I MONITOR MODULE TYPE 2</td>
<td>B + 24V DIN rail</td>
<td>B + 24V DIN rail</td>
<td>B + 24V DIN rail</td>
<td>B + 24V DIN rail</td>
<td>6.5</td>
<td>2.4</td>
<td>1.6</td>
<td>0.4</td>
<td>V5</td>
</tr>
<tr>
<td>100001</td>
<td>CAN END TERMINATION PLUG</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>V6</td>
</tr>
</tbody>
</table>

### Diagrams

- **Block Symmetry Measurement Schematic**
- **Mid-Point Symmetry Measurement Schematic**
- **Can Power Module**
- **Battery Monitor Can Bus Module**
- **Load Monitor Module**

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**Drawing Name:** 2101881

**Drawing Date:** 07-32-13
### Table 5: Rectifier and Converter

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>AC Input Voltage (VAC)</th>
<th>DC Input Voltage (VDC)</th>
<th>Max. Input Current (A)</th>
<th>Output Voltage Range (VDC)</th>
<th>Output Current (A)</th>
<th>Output Power (W)</th>
<th>Efficiency (%)</th>
<th>Agency Approval</th>
<th>Width (in)</th>
<th>Depth (in)</th>
<th>Height (in)</th>
<th>Approximate Weight (lb)</th>
<th>Applicable Group</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>241120.100</td>
<td>Rectifier 200W 48V, 5–300Vac Input Range</td>
<td>85–300</td>
<td>1.0</td>
<td>40</td>
<td>420W, 7.24A 820VDC</td>
<td>260W, 3.6A 160–200VDC</td>
<td>&gt;60%</td>
<td>CE, UL</td>
<td>LS100S</td>
<td>5.2</td>
<td>3.7</td>
<td>2.2</td>
<td>12.3</td>
<td>51, 52, 53</td>
<td></td>
</tr>
<tr>
<td>241120.200</td>
<td>Rectifier 24V 85–300Vac Input Range</td>
<td>85–300</td>
<td>1.3</td>
<td>24</td>
<td>240W, 10A 820VDC</td>
<td>240W, 10A 160–200VDC</td>
<td>&gt;62%</td>
<td>CE, UL</td>
<td>LS100S</td>
<td>5.2</td>
<td>3.7</td>
<td>2.2</td>
<td>12.3</td>
<td>51, 52, 53</td>
<td></td>
</tr>
<tr>
<td>241120.300</td>
<td>Rectifier 48V 85–300Vac Input Range</td>
<td>85–300</td>
<td>2</td>
<td>12</td>
<td>120W, 10A 820VDC</td>
<td>120W, 10A 160–200VDC</td>
<td>&gt;65%</td>
<td>CE, UL</td>
<td>LS100S</td>
<td>5.2</td>
<td>3.7</td>
<td>2.2</td>
<td>12.3</td>
<td>51, 52, 53</td>
<td></td>
</tr>
<tr>
<td>241120.400</td>
<td>DC/DC Converter 12V/24V, 12.6–72Vac Input Range</td>
<td>N/A</td>
<td>10.4–72</td>
<td>12</td>
<td>120W</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>51, 52</td>
<td>51</td>
</tr>
</tbody>
</table>

**Diagram:**

1. **Red LED - Alarm:**
   - Low mains voltage down
   - High temperature shut down
   - Short circuit
   - Power switch open
   - Power on

2. **Green LED - Power On:**
   - Power switch open
   - Remote switch open
   - Remote switch shorted
   - Remote switch open
   - Power switch open
   - Remote switch shorted
   - Remote switch open

3. **Yellow LED - Warning:**
   - Overvoltage
   - Undervoltage
   - Overcurrent
   - Undercurrent
   - Low voltage
   - High voltage
   - Short circuit
   - Open circuit
   - Overload
   - Underload
   - Overtemperature
   - Undertemperature

**Rectifier 48V/24V/12V Converter**

- 48V/24V/12V Rectifier
- Converter
### SECTION 6.1 ACCESSORIES - BATTERY BOX

#### TABLE 6A. BATTERY BOX FOR 12AH BATTERY

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>VOLUME (IN)</th>
<th>BATTERY SIZE (INCHES)</th>
<th>VERTICAL SPACE (IN)</th>
<th>MOUNTING LENGTH (IN)</th>
<th>MOUNTING SPACE (IN)</th>
<th>NOTE</th>
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<td>24</td>
<td>8.5 x 8.5 x 9.37</td>
<td>3</td>
<td>12/13-10/15</td>
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<td>25</td>
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#### TABLE 6B. BATTERY BOX FOR 40AH BATTERY

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<th>PART NUMBER</th>
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<th>BATTERY SIZE (INCHES)</th>
<th>VERTICAL SPACE (IN)</th>
<th>MOUNTING LENGTH (IN)</th>
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<td>8.5 x 12 x 10.5</td>
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NOTE: MICROSHLF BATTERY BOX CAN BE MOUNTED ON RELAY RACK OR WALL

#### TABLE 6H. BATTERY

<table>
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<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>HEIGHT (IN)</th>
<th>WIDTH (IN)</th>
<th>DEPTH (IN)</th>
<th>LENGTH (IN)</th>
<th>HEIGHT (IN)</th>
<th>WIDTH (IN)</th>
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<td>12AH BATTERY</td>
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<td>5.94</td>
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<td>6.97</td>
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**12AH BATTERY 12V BLOCK DIMENSION**

**40AH BATTERY 12V BLOCK DIMENSION**

---

ELTEK CONFIDENTIAL & PROPRIETARY - USE PURSUANT TO COMPANY INSTRUCTION
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED: ALL LINEAR DIMENSIONS TOLERANCES ARE ±.010

**DESCRIPTION OF CHANGE FOR BOX NO.**

- **NEW DRAWING REFERENCE**: 2101861
- **DATE OF ISSUE**: 12/13/13
- **GEO. REVISION**: 0
- **ASSEMBLY SHEETS**: 1
- **ACCESSORIS**: BATTERY BOX
- **DRAWING SHEET**: 1
- **REV**: A

---

[Diagram of battery box arrangements]
SECTION 7.1  EXAMPLE MICROPACK PANEL MOUNT CONFIGURATIONS

Example 1: 4-Position Backplane with Battery Distribution Module and 2 Load Modules (Shown Without Covers)

Example 2: 4-Position Backplane with Battery Distribution Module and 1 Load Module (Shown Without Covers)

Example 3: 4-Position Backplane with Battery Distribution Module and 1 Load Module (Shown With Covers)

Example 4: 4-Position Backplane with Bulk Distribution Module and 1 Load Module (Shown Without Covers)

Example 5: 4-Position Backplane with Bulk Distribution Module and 2 Load Modules (Shown Without Covers)

Example 6: 4-Position Backplane with Bulk Distribution Module and 2 Load Modules (Shown With Covers)

Note: The above configurations are some examples of 4-Position Backplane. Customer can configure them with 2-Position Backplane or up to 3 Load Modules if necessary.
SECTION 8.0  RECTIFIER AND CONVERTER BACKPLANE SCHEMATIC

S1  241120.900  RECTIFIER STANDALONE BACKPLANE SCHEMATIC

S2  241120.901  RECTIFIER STANDALONE BACKPLANE SCHEMATIC

S3  241120.902  RECTIFIER STANDALONE BACKPLANE SCHEMATIC

S10  241120.905  DC/DC CONVERTER STANDALONE BACKPLANE SCHEMATIC

S11  241120.907  DC/DC CONVERTER STANDALONE BACKPLANE SCHEMATIC
SECTION 8.2 AUX DISTRIBUTION SCHEMATIC

D1 241120.820
LOAD DIST. 4-BREAKERS MODULE SCHEMATIC

D2 302327
DIN RAIL MOUNTED GMT MODULE SCHEMATIC

D3 286125
DIN RAIL MOUNTED SHUNT MODULE SCHEMATIC
SECTION 8.3 APPLICATION EXAMPLE 1 – POWER CORE WITH 2 LVBD BREAKERS AND 4 LOAD BREAKERS
SECTION 8.6 APPLICATION EXAMPLE 4 - AC/DC POWER CORE AND DC/DC CONVERTER SYSTEM

[Diagram of an electrical system with various components and connections labeled]

Note:
CAN is referenced negative output of the rectifiers

CAN is referenced negative output of the system

COMPACK controller

[Labeling and connections]
## TABLE 9 CUSTOMER REFERENCE DOCUMENTS

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