

**PRODUCT CHANGE NOTIFICATION**  
**PCN # [1161019]**  
**1.2kW Rectifier Shelf Mechanical Changes**

<b>1. Supplier Information</b> Alpha Technologies, Ltd. 7700 Riverfront Gate, Burnaby, BC V5J 5M4 Canada Contact: Rahul Baliga Product Manager, DC Solutions +1-778-855-1419 Rahul.Baliga@alpha.ca		<b>2. Product Change Notification Number</b> PCN # 1161019																	
<b>3. Issue Date of Change</b> Nov 1 <sup>st</sup> 2016		<b>4. System and Product Description</b> There are 3 variations of rectifier shelves as part of this PCN. The bulk 1RU 1.2kW shelf with the CXCM1+ control, the bulk 1RU 1.2kW shelf and 1RU 1.2kW shelf with CXCM1+ controller & 8 position integrated GMT fuse block.																	
<b>5. New Product ID</b> <table border="1"> <thead> <tr> <th>Part Number (P/N)</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>030-835-20-XXX</td> <td>Cordex 19"/23" Shelf, 1RU 4x CXRF 48-1.2kW Positions, CXCM1+</td> </tr> <tr> <td>030-845-20-XXX</td> <td>Cordex 19"/23" Shelf, 1RU 5x CXRF 48-1.2kW Positions</td> </tr> <tr> <td>030-851-20-XXX</td> <td>Cordex 19"/23" Shelf, 1RU 3x CXRF 48-1.2kW Positions, GMT, CXCM1+</td> </tr> </tbody> </table>		Part Number (P/N)	Description	030-835-20-XXX	Cordex 19"/23" Shelf, 1RU 4x CXRF 48-1.2kW Positions, CXCM1+	030-845-20-XXX	Cordex 19"/23" Shelf, 1RU 5x CXRF 48-1.2kW Positions	030-851-20-XXX	Cordex 19"/23" Shelf, 1RU 3x CXRF 48-1.2kW Positions, GMT, CXCM1+	<b>6. Old Product ID</b> <table border="1"> <thead> <tr> <th>Part Number (P/N)</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>030-835-20-XXX</td> <td>Cordex 19"/23" Shelf, 1RU 4x CXRF 48-1.2kW Positions, CXCM1+</td> </tr> <tr> <td>030-845-20-XXX</td> <td>Cordex 19"/23" Shelf, 1RU 5x CXRF 48-1.2kW Positions</td> </tr> <tr> <td>030-851-20-XXX</td> <td>Cordex 19"/23" Shelf, 1RU 3x CXRF 48-1.2kW Positions, GMT, CXCM1+</td> </tr> </tbody> </table>		Part Number (P/N)	Description	030-835-20-XXX	Cordex 19"/23" Shelf, 1RU 4x CXRF 48-1.2kW Positions, CXCM1+	030-845-20-XXX	Cordex 19"/23" Shelf, 1RU 5x CXRF 48-1.2kW Positions	030-851-20-XXX	Cordex 19"/23" Shelf, 1RU 3x CXRF 48-1.2kW Positions, GMT, CXCM1+
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<b>7. Associated Products or Changes Affected</b> None																			
<b>8. Drawing No.</b> N/A		<b>9. Product Change Classification</b> Class B																	
<b>10. Reason(s) for Change</b> In order to improve the manufacturability of the shelves, mechanical design changes were implemented which are detailed below.																			

<b>11. Description of Change</b> <ol style="list-style-type: none"> <li>1. The original shelf was welded and then zinc plated, the new shelf is made from pre-plated material.</li> <li>2. The original shelf was a welded assembly and the new design utilizes a formed locking tab technology developed for Alpha's other rectifier shelves (e.g. 2.4kW rectifier shelf).</li> <li>3. The DB25 connector on the rear of the shelf has moved approximately 13mm to the right.</li> <li>4. The top and bottom of the shelf is no longer perforated and has a solid metallic cover.</li> <li>5. The screws that connect the metallic rear cover of the shelf have been changed from an 8mm screw to a 6mm screw.</li> <li>6. The CAN connector on the side of the shelf was moved 1mm forward with a locking pin rotated 90 degrees.</li> <li>7. Only the finish of the product is affected - not the form, fit or function.</li> </ol>	
<b>12. Effect of Change</b> Change will have no effect on system operation or usability.	
<b>13. Material/Product Affected</b> Part numbers of products affected by this change are mentioned in section (6).	
<b>14. Documentation Affected</b> N/A	
<b>15. Supplier Implementation Date</b> 1 <sup>st</sup> Nov 2016	<b>16. Modification Completion Date</b> N/A
<b>17. Modification Location</b> Product will be manufactured at Alpha's contract manufacturer in China.	
<b>18. Modification Cost</b> None	
<b>19. Location and Quantity of Equipment</b> None	
<b>20. Attachments</b> None	
<b>21. Comments</b> None	



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