



PRODUCT CHANGE NOTIFICATION

PCN # [1130228]

CXCI+ Controller to Replace CXCI

1. Supplier Information Alpha Technologies, Ltd. 7700 Riverfront Gate, Burnaby, BC V5J 5M4 Canada Contact: Bill Killion Senior Product Manager 604-422-4487 bill.killion@alpha.ca	2. Product Change Notification Number PCN # 1130228																								
3. Issue Date of Change March 21, 2013	4. System and Product Description Alpha Technologies, Ltd. is introducing the CXCI+ controller to replace the legacy CXCI controller as installed in various 2RU rectifier and DC-DC converter shelves.																								
5. New Product ID <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">Shelf / System</th> <th style="text-align: center;">CXCI+ P/N</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">24V-400W</td> <td style="text-align: center;">7400233-002</td> </tr> <tr> <td style="text-align: center;">48V-650W</td> <td style="text-align: center;">7400233-001</td> </tr> <tr> <td style="text-align: center;">12V-250W</td> <td style="text-align: center;">7400233-003</td> </tr> <tr> <td style="text-align: center;">CXDF 24->48</td> <td style="text-align: center;">7400232-002</td> </tr> <tr> <td style="text-align: center;">48V-1.8kW/2.0kW & CXDF 48->24</td> <td style="text-align: center;">7400232-001</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 10px;">Note: No system or shelf level part numbers are affected.</p>	Shelf / System	CXCI+ P/N	24V-400W	7400233-002	48V-650W	7400233-001	12V-250W	7400233-003	CXDF 24->48	7400232-002	48V-1.8kW/2.0kW & CXDF 48->24	7400232-001	6. Old Product ID <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">Shelf / System</th> <th style="text-align: center;">CXCI P/N</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">24V-400W</td> <td style="text-align: center;">747-439-20-040</td> </tr> <tr> <td style="text-align: center;">48V-650W</td> <td style="text-align: center;">747-439-20-041</td> </tr> <tr> <td style="text-align: center;">12V-250W</td> <td style="text-align: center;">747-439-20-042</td> </tr> <tr> <td style="text-align: center;">CXDF 24->48</td> <td style="text-align: center;">747-502-20-000</td> </tr> <tr> <td style="text-align: center;">48V-1.8kW/2.0kW & CXDF 48->24</td> <td style="text-align: center;">747-505-20-000 747-427-20-000</td> </tr> </tbody> </table>	Shelf / System	CXCI P/N	24V-400W	747-439-20-040	48V-650W	747-439-20-041	12V-250W	747-439-20-042	CXDF 24->48	747-502-20-000	48V-1.8kW/2.0kW & CXDF 48->24	747-505-20-000 747-427-20-000
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7. Associated Products or Changes Affected All systems that currently use the CXCI controller are candidates for the upgrade to the CXCI+. These affected systems include: <ul style="list-style-type: none"> • All 2U CXRC convection cooled rectifier shelves, including: <ul style="list-style-type: none"> ○ 12V-250W series ○ 24V-400W series ○ 48V-650W series • 1.8/2.0kW CXRF series rectifier shelves • 48-24V & 24V-48V CXDF series DC-DC converter shelves 																									

8. Drawing No.	9. Product Change Classification Class D <i>Changes that incorporate minor new features and design improvements that do not affect the existing functionality or interchangeability of a product, or that involve other minor improvements to service testing, or other capabilities.</i>
10. Reason(s) for Change The change is being implemented as a response to a variety of feature and performance improvement requests for shelves and systems incorporating the CXCI controller. The DB-9 modem port was removed due to reliability concerns coupled with reduced market requirements for the feature.	
11. Description of Change <u>Feature Enhancements</u> <ul style="list-style-type: none"> • Modular, hot-swappable design • Improved radiated emissions performance (meets FCC class B as a standalone controller) • Real time clock addition • Increased onboard memory for future support • Various robustness improvements including isolated power supply <u>Feature Removal</u> <ul style="list-style-type: none"> • DB-9 modem port removed 	
12. Effect of Change Change will have no effect to system operation or usability beyond what is stated in 11. Description of Change	
13. Material/Product Affected	
14. Documentation Affected Manuals for products which included the CXCI will be updated to include information on the updated controller.	
15. Supplier Implementation Date Starting in April 2013, shelves and systems will begin shipping from Alpha factory with CXCI+ controllers integrated. Throughout 2013, all 2U systems as detailed above will be transitioned to include the CXCI+ controller installed.	16. Modification Completion Date



17. Modification Location N/A
18. Modification Cost N/A
19. Location and Quantity of Equipment N/A
20. Attachments None
21. Comments None