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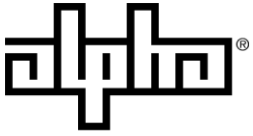
PCN # [0470465-PCN] CXRF 3.0kW Rectifier Firmware 2.01

1. Supplier Information Alpha Technologies, Ltd. 7700 Riverfront Gate, Burnaby, BC V5J 5M4 Canada	1.6 Supplier Contact Info Contact: JD Fraser Associate Product Manager 604-218-9059 Jd.fraser@alpha.ca												
2. Product Change Notification Number PCN # 0470465-PCN	3. Issue Date of Change August 21, 2020												
4. System Affected Major System Affected: CXRF3k Subsystem Affected: Pwr Mdl,CXRF-HP 48-3kW,RoHS6 Hardware Affected: N Firmware Affected: Y Software Affected: N													
5. New Product ID <table border="1" data-bbox="190 1150 771 1268"> <thead> <tr> <th colspan="2">Software / Firmware</th> </tr> <tr> <th>Model</th> <th>Revision</th> </tr> </thead> <tbody> <tr> <td>0350048-001</td> <td>2.01</td> </tr> </tbody> </table>	Software / Firmware		Model	Revision	0350048-001	2.01	6. Old Product ID <table border="1" data-bbox="800 1150 1382 1268"> <thead> <tr> <th colspan="2">Software / Firmware</th> </tr> <tr> <th>Model</th> <th>Revision</th> </tr> </thead> <tbody> <tr> <td>0350048-001</td> <td>2.00</td> </tr> </tbody> </table>	Software / Firmware		Model	Revision	0350048-001	2.00
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7. New CLEI Code N/A	8. Old CLEI Code PWM6X00CRA												
9. Associated Products or Changes Affected CXRF 3.0kW Rectifier 0100037-001													
10. Drawing Number 0350048-001_K_CXRF-HP 48-3.0KW_README_V2.01													
11. Classification of Change B	12. Reason for Classification This change results in better operation												
13. Reason for Change Functional improvements due to continuous testing and feedback													



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14.1 Description of Change Improved handling of large step load swings on the rectifier when Charge Current Control is enabled through Power Save.	
14.2 Change Verification Procedures Physical Verification–The CXRF 3.0kW Rectifiers modified in the factory shall have their label updated to show Firmware Version 2.01, see attached examples. Software Verification–Use MOP 0470350-00 Rev A to confirm firmware version of installed CXRF 3.0kW Rectifiers. See attached MOP.	
15. Safety Notification N/A	
16. Material Affected N/A	
17. Documentation Affected 0350048-001_K_CXRF-HP 48-3.0KW_README_V2.01	
18. Supplier Implementation Date 8/21/2020	19. Modification Completion Date 10/21/2020
20. Modification Location Burnaby BC	
21. Modification Cost N/A	
22. Location and Quantity of Equipment N/A	
23. Attachments Readme File - 0350048-001_K_CXRF-HP 48-3.0KW_README_V2.01 Physical Example File - CXRF 3.0kW Firmware V2.00Physical Example.png Physical Example File - CXRF 3.0kW Firmware V2.00 Physical Example #2.png Software Verification File - MOP -Module Firmware Upgrade Using the CXC HP (Software V4.xx) 0470350-00.pdf	



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24. Comments

The firmware file can be found at <https://www.alpha.ca/support/support-main-menu/software-firmware-downloads> for direct download.