



Eaton
Electronics Division
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Product Change Notice

PCN#:EE-PCN20003

April 13, 2020

CLASSIFICATION OF CHANGE:

Modification to cell management system

DESCRIPTION OF CHANGE:

Eaton modules contain cell management electronics to maximize the product lifetime by reducing the voltage variation between cells. The XLR-51R3187-R module contains a shunt type "active" balance circuit, which works to limit the maximum voltage of each cell. The balancing circuit is being modified to reduce the balancing activation voltage from 53.1 V to 49.5 V.

REASON FOR CHANGE:

Improve system reliability and reduce false overvoltage alarms.

EXPECTED INFLUENCE ON QUALITY, RELIABILITY, AND PERFORMANCE:

Standby current (leakage current) will increase when running above 49.5 V. Individual cells are expect to more consistently run at the same voltage to better achieve maximum product life time.

If connecting modules in series, modules of the previous design should not be connected with the new design.

PART FAMILIES AFFECTED

XLR-51R3187-R

TIME SCHEDULE:

Start Shipment
Date: May 1st, 2020

SAMPLE AVAILABILITY:

Not applicable

QUALIFICATION DATA:

Not applicable

ISSUED BY:

Product Manager: Jason Lee

CONTACT INFORMATION:

For questions or comments, please contact <https://www.eaton.com/content/eaton/us/en-us/products/electronic-components/contact-us.html>