Production Firmware History

Description

This document is intended for end-user informational purposes. It describes the changes between revision levels of the primary control board firmware used in the 93PM-L 208V product line. This document will be changing periodically and reposted on Eaton.com to reflect new production level firmware changes. In all cases, the "Notes, New Features, Changes and Enhancements" listed under a given production release are automatically transferred into the next production release.

Version 4.42.0501 / June 4, 2019

Notes

Supports all models / kW ratings.

New Features

None

Enhancements

Corrected Checksum Error Alarm which prevented unit restart.

Version 4.42.0300 / September 26, 2018

Notes

Supports all models / kW ratings.

New Features

Predict Pulse Monitoring.

Enhancements

None

Version 4.42 / March 15, 2018

Notes

Supports all models / kW ratings.

New Features

None

Enhancements

Improved switching performance when transitioning from Double Conversion to Battery mode under utility outage conditions.

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Version 4.40 / February 14, 2018

Notes

Support for 200 kW and 160 kW models.

New Features

Internal battery temperature monitoring.

Changes and Enhancements

- Load Sync Control functionality for 400 kW systems.
- Status of internal battery breaker is now detected and displayed correctly.
- Added Configuration Error alarm for External Parallel if unequal system ratings are attempted.
- Improved External Bypass Breaker and Maintenance Isolation breaker status detection and alarms.
- Improved Rectifier turn on controls and timing.
- Improved UPM alarm logging under an open fuse condition.
- Improved input Under Voltage and Over Voltage Detection and alarming.
- Added Battery Converter discharging loss information to improve accuracy of Battery Time Remaining calculations.
- Added Internal Battery Temperature monitoring on 60 kW model; Temperatures above 50 degrees will cause the UPMs to stop charging the battery and display an alarm on he HMI.

Version 4.36 / November 12, 2017

Notes

Initial product release.