Eaton® 9395XC UPS

Production Firmware History

Powering Business Worldwide

p/n: P-164001174
Revision 02

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Eaton 9395XC UPS 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 Eaton 9395XC product line. This document will be changing periodically and reposted on www.Eaton.com to reflect new production level firmware changes. In all cases, the changes, enhancements, fixes, and new features listed under a given production release are automatically transferred into the next production release.

Revision 1.14.00

Released: Oct 18, 2023

Notes

- Compatible with all existing 9395XC UPS Hardware

New Features

- None

Fixes

- Resolved the issue of the HMI not always booting up correctly.
- Resolved Charger Failed issue that occurred when the battery breaker was not closed in immediately after going online.
- Resolved Clock / time issue on HMI.

Revision 1.08.00

Fixes

- [HMI] Native Relay Outputs showing non-stop blue spinner
- [HMI] Screen shows text of file and directory info after power cycle
- [HMI] Screen stuck with Eaton logo during booting
- [HMI] Corrects the unable to set date and time on front panel issue
- [Control] Inverter instability
- [Control] Input THD Exceeds 3% specification
- [Control] Large (~3.8kHz) oscillation on Input Voltage/Current when input currents are large.
- [Control] N-station no-load drop on battery dumps load with DC link OV

Table 1. Software Builds within v1.08.00

CPU	Software/Firmware Version
MCU App	**v1.08.0000**
UPM App	**v1.08.0001**
MCU FPGA	v1.00.0000
UPM FPGA	v1.02.0000
ARM App	**v1.08.0000**

Table 1. Software Builds within v1.08.00 (Continued)

CPU	Software/Firmware Version
ARM Bootloader	v1.00.0000
SHARC Bootloader	v1.06.0000
U-Boot	v1.00.0000
IO Expansion App	v1.02.0000
IO Expansion Bootloader	v1.06.0000
Bypass PIC	v0.14
HMI Bootloader	v2020.04.1.1
HMI OS	**v3.0.0.4**
HMI App	**v1.0.6**
Service Tool Software Version Required	**v1.10.84**

Revision 1.06.00

Fixes

- MCU Battery Breaker Trip With Load Off Not Working
- [HMI] Estimated Runtime does not display correctly
- Meters screen on the HMI is not working correctly- HMI Test
- Battery voltage displays as 6553.5volts when batteries are not connected
- Top bar voltage not displayed
- HMI/REST MCU input meters always near zero
- Active alarm timeline is blank while alarms are active
- HMI Charger ON/OFF status should be based on UPM ChargeDcCommand nodebit

Table 2. Software Builds within v1.06.00

CPU	Software/Firmware Version
MCU App	**v1.06.0001**
UPM App	**v1.06.0000**
MCU FPGA	v1.00.0000
UPM FPGA	v1.02.0000
ARM App	**v1.06.0001**
ARM Bootloader	v1.00.0000
SHARC Bootloader	**v1.06.0000**
U-Boot	v1.00.0000
IO Expansion App	v1.02.0000

Table 2. Software Builds within v1.06.00 (Continued)

CPU	Software/Firmware Version
IO Expansion Bootloader	**v1.06.0000**
Bypass PIC	v0.14
HMI Bootloader	v2020.04.1.1
HMI App	v1.0.4
Service Tool Software Version Required	**v1.10.74**

Revision 1.04.00

New

- Commissioning release of 9395XC UPS Production Firmware for Americas 1500kW monolithic.

Table 3. Software Builds within v1.04.00

CPU	Software/Firmware Version
MCU App	v1.04.0000
UPM App	v1.04.0000
MCU FPGA	v1.00.0000
UPM FPGA	v1.02.0000
ARM App	v1.04.0000
ARM Bootloader	v1.00.0000
SHARC Bootloader	v1.02.0000
U-Boot	v1.00.0000
IO Expansion App	v1.02.0000
IO Expansion Bootloader	v1.00.0000
Bypass PIC	v0.14
HMI Bootloader	v2020.04.1.1
HMI App	v1.0.4
Service Tool Software Version Required	v1.10.62

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