

Version: UPS 10.1
File Name: SRTL1034UPS_10-1.enc
SHA256 Hash: 95731d4a7686c2d7d3ac1c0204187fe9026a57ca2c79df94ac98baae729e919a
Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Improve load balancing for linear and non-linear types of loads, to improve handling of P.11, P.16, and P.19 alarms.
2. Do not allow UPS output to be turned on when UPS reports critical power system errors.
3. Force battery to sleep when input voltage is brown out for a long period of time.
4. Improve output continuity and system resilience by transferring to bypass mode, rather than battery mode, during DC bus over-voltage events.
5. Enhanced overload capability and performance by improving the detection logic.
6. Improve inverter start-up sequence and output relay switching to reduce output voltage transients during power mode transitions.
7. Refined output voltage monitoring logic with auto-adjustment features to ensure consistent over-voltage detection across various operating conditions for false alarm of P02.
8. Improved relay welding detection reliability for solving false alarms of P08.

Version: UPS 06.9
SHA256 Hash: e747ddb9b64225783235449225740221f65b5fd313ac9fb2743af337d8aaaa22
Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Improve PFC sagging current when input voltage is larger than 240V.
2. Reduce input peak current at on-line transient moment when input voltage is larger than 240V.
3. When a fault is detected during self-test, prevent turning on PFC and transfer to failure bypass mode.
4. Force battery to sleep while UPS is in fault to avoid consuming battery energy.
5. Adjust the fan control algorithm for reducing noise.

Version: UPS 06.8
Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Improve DC/DC discharging control algorithm for light load condition.
2. Optimize fan speed control for light load condition.
3. Improve UPS behavior when inverter shorts into AC mains.
4. Improve the stability of UPS firmware upgrade process through Network Management Card (NMC) web user interface.
5. Enhance UPS power-off mechanism in stand-by mode without AC utility to prevent battery drain.
6. Improve charger control algorithm to keep charger working when multiple battery packs are connected, and some batteries exhibits protected behavior.
7. If AC utility is unexpectedly turned off during firmware upgrade with output on process, ensure UPS output is automatically turned on after firmware upgrade and AC utility recovered.
8. Improve output auto-restart function after waking up from UPS shutdown.
9. Improve self-test function when battery pack protection is abnormally triggered during the test.

Version: UPS 06.7
Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Improve charger control by revising charger turn on sequence to minimize interference between 2-stage DC-DC converters.
2. Improve charger control by limiting maximum charging current compensation.
3. Improve charger control by turning off pre-charge subsystem after charger is on.
4. Improve robustness for bypass to on-line and bypass to on-battery transfers.
5. Add a protection mechanism for battery fuse open.
6. Improve firmware upgrade progress to have continuous percentage indication on LCD panel.
7. Log continuous "Incompatible battery pack" event only once instead of multiple times.

Version: UPS 06.3
Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Enhance back-feed relay weld detection to resolve P.05 issue when UPS transits to on-battery state and input voltage is floating.
2. Improve charger control for solving charger B.04 issue.
3. If XBP ID is not correctly set, UPS will report it as an alarm with continuous beep and LCD panel background in red color.
4. Correctly display battery manufacture and installation date information on the LCD.

Version: UPS 06.1
Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Improve firmware upgrading skip function to speed up upgrading time.
2. Enhance firmware upgrading recovery mechanism to avoid LCD show D.04 after upgraded
3. Improve frequency sweep sensitivity for generator input.
4. Keep the UPS output off if UPS abnormal shutdown.
5. Discreetly report event 186 about charger subsystem.
6. Improve charger control for solving charger B.04 issue.
7. Show "Incompatible battery pack" message as an event instead of an alarm
8. Improve output auto-restart mechanism according to input power status

Version: UPS 05.6

Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Improved the detection of inter-microprocessor communication to decrease the logs of Event 154.

Version: UPS 05.0

Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Implement firmware image signature for enhancing cybersecurity.
2. Reduce firmware upgrade time down to 25 mins.
3. Improve inter-microprocessor communication quality for D.04 communication alarm.

Version: UPS 04.1

Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC, SRTL2K2RM1UNC

Change logs:

1. Implement 2.2KVA model(SRTL2K2RM1UC) on this version. The 2.2kVA model should not downgrade before this version.
2. Improve the charger short circuit function for B.04 charger alarm.
3. Improve the PFC control for P.12 "Bus Over voltage" alarm while load is removed.

Version: UPS 03.2

Applicable Models:

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ID 1034 with mini-NMC3 sku.
SRTL3KRM1UNC

Change logs:

1. Initial Released.

Compatibility:

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0N-1557 Mini-NMC3 APP SUMX 3.0.0.12, AOS 3.0.1.1
PowerChute Network Shutdown v4.3
FUW (Firmware Upgrade Wizard) Tool v4.3.8