

Smart-UPS SRTL with SmartConnect Series Firmware Release Notes

Revision Information:

Rev.	Date	Remark
1.0	7-Feb-2024	Initial Version. Including Smart-UPS Ultra SRTL SmartConnect ID 1063 and 1035 Firmware Release Notes.
1.1	8-Mar-2024	Update format.
2.0	12-Mar-2024	Added UPS 06.1 firmware revision for ID 1035.
3.0	29-Mar-2024	Added UPS 04.1 firmware revision for ID 1063.
4.0	19-Apr-2024	Added UPS 06.3 firmware revision for ID 1035.
5.0	23-Apr-2024	Added UPS 04.3 firmware revision for ID 1063.
5.1	23-Apr-2024	Update format
6.0	24-Apr-2024	Re-upload firmware image files to web.

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Introduction

These release notes describe the version numbers that are applicable to UPS models that correspond with the relevant firmware. These models are SmartConnect series which includes SmartConnect ID1063 and ID1035. The applicable SKUs are listed in their respective section.

Firmware Revisions for ID 1063 Series

Firmware Revision: UPS 04.3

ID Number	Firmware Revision
1063	UPS 04.3
Applicable SKUs	
SRTL3KRM1UWC, SRTL3KRM1UIC, SRTL2K2RM1UWC, SRTL2K2RM1UIC, SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">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.	

Firmware Revision: UPS 04.1

ID Number	Firmware Revision
1063	UPS 04.1
Applicable SKUs	
SRTL3KRM1UWC, SRTL3KRM1UIC, SRTL2K2RM1UWC, SRTL2K2RM1UIC, SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">1. Improve charger control for solving charger B.04 issue.2. Show the "Incompatible battery pack" message as an event instead of an alarm.3. Improve UI panel display of battery temperature units.4. Correct UI panel display of humidity status of universal I/O accessories.	

Firmware Revision: UPS 04.0

ID Number	Firmware Revision
1063	UPS 04.0
Applicable SKUs	
SRTL3KRM1UWC, SRTL3KRM1UIC, SRTL2K2RM1UWC, SRTL2K2RM1UIC, SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">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. Discreetly report event 186 about charger subsystem.	

Firmware Revision: UPS 03.0

ID Number	Firmware Revision
1063	UPS 03.0
Applicable SKUs	
SRTL3KRM1UWC, SRTL3KRM1UIC, SRTL2K2RM1UWC, SRTL2K2RM1UIC, SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">1. Implemented 120V model (SRTL3KRM1UNC/SRTL2K2RM1UNC) on this version. The 120V model should not downgrade before this version.	

Firmware Revision: UPS 02.4

ID Number	Firmware Revision
1063	UPS 02.4
Applicable SKUs	
SRTL3KRM1UWC, SRTL3KRM1UIC, SRTL2K2RM1UWC, SRTL2K2RM1UIC	
Change Logs	
<ol style="list-style-type: none">1. Implemented 2.2KVA model on this version. The 2.2kVA model should not downgrade before this version.2. Implemented the battery current path open detection and UI showed as B.08.3. Improved the SmartConnect TLS from mocana to MbedTLS.	

Firmware Revision: UPS 01.3

ID Number	Firmware Revision
1063	Initial Released Version: UPS 01.3
Applicable SKUs	
SRTL3KRM1UWC, SRTL3KRM1UIC	
Change Logs	
1. Initial Released.	

Firmware Revisions for ID 1035 Series

Firmware Revision: UPS 06.3

ID Number	Firmware Revision
1035	UPS 06.3
Applicable SKUs	
SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">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.	

Firmware Revision: UPS 06.1

ID Number	Firmware Revision
1035	UPS 06.1
Applicable SKUs	
SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">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.	

Firmware Revision: UPS 05.6

ID Number	Firmware Revision
1035	UPS 05.6
Applicable SKUs	
SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">1. Improved the detection of inter-microprocessor communication to decrease the logs of Event 154. re-charge control optimization has been implemented on SKUs over 2.2kVA.2. Improved the firmware upgrade fails via SmartConnect and need to upgrade to this version through FUW.	

Firmware Revision: UPS 05.0

ID Number	Firmware Revision
1035	UPS 05.0
Applicable SKUs	
SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">1. Implemented firmware image signature for cybersecurity enhancement.2. Shortened firmware upgrade lead time to 25 mins.3. Improved inter-microprocessor communication quality for D.04 communication alarm.	

Firmware Revision: UPS 04.1

ID Number	Firmware Revision
1035	UPS 04.1
Applicable SKUs	
SRTL3KRM1UC, SRTL2K2RM1UC	
Change Logs	
<ol style="list-style-type: none">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.4. Enhanced UPS firmware code protection to mitigate the vulnerabilities of unauthorized extraction of confidential firmware and un-authorized network access to SmartConnect UPSs.	

Firmware Revision: UPS 03.2

ID Number	Firmware Revision
1035	Initial Released Version: UPS 03.2
Applicable SKUs	
SRTL3KRM1UC	
Change Logs	
<ol style="list-style-type: none">1. Initial Released.	

Compatibility

- PowerChute Network Shutdown v5.1
- PowerChute Serial Shutdown v1.0
- FUW (Firmware Upgrade Wizard) Tool v4.3.8