

Smart-UPS SCL with SmartConnect Series Firmware Release Notes

Revision Information:

Rev.	Date	Remark
1.0	6-Feb-2024	Initial Version.
2.0	23-Apr-2024	Update format.
2.1	24-Apr-2024	Add SCL with smart connect series SKUs. UPS 15.5 firmware revision for ID1030. UPS 16.5 firmware revision for ID1049.
2.2	23-May-2024	Update format and 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 SCL with SmartConnect series which includes ID1030 and ID1049. The applicable SKUs are listed in their respective section.

Firmware Revisions for ID 1049 Series

Firmware Revision: UPS 16.5

ID Number	Firmware Revision
1049	UPS 16.5
Applicable SKUs	
SCL500RM1UC, SCL500RMI1UC, SCL500RM1U. Note1: This revision provides stronger network data security protection via the below mechanisms to prevent malicious firmware from being upgraded to the UPS through communication interface ports. Note2: The following security vulnerabilities have been addressed since SCL ID1049 rev UPS 16.1: - CVE-2022-22805 - CVE-2022-22806 - CVE-2022-0715	
Change Logs	
<ol style="list-style-type: none">1. The mechanism of firmware signing adds to the code in order to protect the UPS from malicious firmware spoofs.2. Changed TLS used for SmartConnect to MbedTLS for cybersecurity. Note3: The Smart -UPS Firmware Upgrade Wizard tool always includes the latest firmware and helps you to upgrade to the UPS code. For more information on the tool, see FA279197 .	

Firmware Revision: UPS 16.1

ID Number	Firmware Revision
1049	Initial Released Version: UPS 16.1
Applicable SKUs	
SCL500RM1UC, SCL500RMI1UC, SCL500RM1U.	
Change Logs	
<ol style="list-style-type: none">1. Initial Released.	

Firmware Revisions for ID 1030 Series

Firmware Revision: UPS 15.5

ID Number	Firmware Revision
1030	UPS 15.5
Applicable SKUs	
SCL500RM1UC, SCL500RMI1UC, SCL500RM1U.	
Note1: This revision provides stronger network data security protection via the below mechanisms to prevent malicious firmware from being upgraded to the UPS through communication interface ports.	
Note2: The following security vulnerabilities have been addressed since SCL ID1030 rev UPS 15.1:	
- CVE-2022-22805	
- CVE-2022-22806	
- CVE-2022-0715	
Change Logs	
<ol style="list-style-type: none">1. The mechanism of firmware signing adds to the code in order to protect the UPS from malicious firmware spoofs.2. Changed TLS used for SmartConnect to MbedTLS for cybersecurity.	
Note3: The Smart-UPS Firmware Upgrade Wizard tool always includes the latest firmware and helps you to upgrade to the UPS code. For more information on the tool, see FA279197 .	

Firmware Revision: UPS 15.1

ID Number	Firmware Revision
1030	UPS 15.1
Applicable SKUs	
SCL500RM1UC, SCL500RMI1UC, SCL500RM1U.	
Note1: This revision includes remediations for the security vulnerabilities listed as CVE-2022-22805, CVE-2022-22806 and CVE-2202-0715 which if compromised, may allow for potential unauthorized access and control of your UPS device.	
Note2: The previous versions may refuse the upgrade with Output On in some special situation. In such cases, please choose a suitable time when the UPS can be turned off without affecting the use of equipment connected to the UPS. Turn off the UPS manually and then upgrade.	
Change Logs	
<ol style="list-style-type: none">1. The UPS firmware code has been enhanced for protection against vulnerabilities of an unauthorized extraction of confidential firmware and unauthorized network access to SmartConnect UPS devices.2. Fix an issue to make the upgrade with Output On feature more stable.	

Firmware Revision: UPS 02.5

ID Number	Firmware Revision
1030	UPS 02.5
Applicable SKUs	
SCL500RM1UC, SCL500RMI1UC	
Change logs	
<ol style="list-style-type: none">1. Add 500VA 230V sku support.2. Bug-fix: Negative watt calculation added to fix the issue of large error in the load value.3. Bug-fix: Deal with MinkVI 500VA jira issue -18: Vout transient drop.4. Bug-fix: Fix the issue that battery version shows garbage text on STL battery.5. Bug-fix: Modify the low sensitivity blackout detection time.	

Compatibility

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