

# Smart -UPS SCL Series Firmware Release Notes

**Revision Information:**

Rev.	Date	Remark
1.0	6-Feb-2024	Initial Version. Including Smart-UPS SCL ID 1030 and ID 1049 Firmware Release Notes

## Table of Contents

<b>Smart -UPS SCL Series Firmware Release Notes .....</b>	<b>1</b>
<b>Revision Information:.....</b>	<b>1</b>
<b>Introduction .....</b>	<b>2</b>
<b>Firmware Revision: UPS 15.5 and UPS 16.5 .....</b>	<b>3</b>
<b>Firmware Revision: UPS 15.1 and UPS 16.1 .....</b>	<b>4</b>
<b>Firmware Revision: UPS 02.5.....</b>	<b>5</b>

## Introduction

These release notes describe the version numbers that are applicable to UPS models that correspond with the relevant firmware. These models are SCL series which includes SCL ID1030 and SCL1049. The applicable SKUs are listed in their respective section.

## Firmware Revision: UPS 15.5 and UPS 16.5

ID Number	Firmware Revision
1030	UPS. 15.5
1049	UPS. 16.5
<b>Applicable SKUs</b>	
<b>SCL:</b> SCL500RM1U, SCL500RM1UC, SCL500RM11UC.	
<b>Change logs</b>	
<ol style="list-style-type: none"><li data-bbox="134 611 1426 674">1. The mechanism of firmware signing adds to the code in order to protect the UPS from malicious firmware spoofs.</li><li data-bbox="134 703 991 734">2. Changed TLS used for SmartConnect to MbedTLS for cybersecurity.</li></ol> <p data-bbox="108 781 1378 844"><b>Note:</b> 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 <a href="#">FA279197</a>.</p>	

## Firmware Revision: UPS 15.1 and UPS 16.1

ID Number	Firmware Revision
1030	UPS 15.1
1049	Initial Released Version: UPS 16.1
<b>Applicable SKUs</b>	
<p><b>SCL:</b> SCL500RM1UC, SCL500RM11UC,SCL500RM1U.</p> <p><b>Note:</b></p> <p>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;</p> <p>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.</p>	
<b>Change logs</b>	
<ol style="list-style-type: none"><li>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.</li><li>2. Fix an issue to make the upgrade with Output On feature more stable.</li></ol>	

## Firmware Revision: UPS 02.5

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