Software Upgrade Procedure
Smartpack2 Controller

DISCLAIMER

Information in this document is believed to be accurate as of the date of publication and is subject to change without notice. This document and the information contained herein do not represent either a commitment or any guarantee on the part of *Eltek* regarding the reliability, fitness, or compatibility of the products and procedures described.

While every reasonable effort is made to ensure the accuracy and completeness of this document, *Eltek* assumes no responsibility or liability for any damages that may be directly or indirectly attributed to the use of the information contained within or to any errors or omissions.

No part of this document may be reproduced or transmitted in any form or by any means—electronic or mechanical, including photocopying and recording—for any purpose without the expressed consent of *Eltek*.

ELTEK
always **on**

2925 E Plano Parkway
Plano, TX 75074
USA

Phone: +1 (469) 330-9100
Fax: +1 (972) 424-0885

Technical Support
+1 (800) 435-4872
Techsupport.us@eltek.com

www.eltek.com/us

Table of Contents

1. Introduction

This document describes the tasks required to upgrade the software of the Smartpack2 Control System in Eltek Power Systems. The procedures allow you to perform the upgrade on site.

A typical Smartpack2 based control system consists of: Smartpack2 Master Controller, Smartpack2 Basic Controller, IO Monitor, Battery Monitor, and Load Monitor.

Multiple Smartpack2 Basic Industrial Controllers may be found in more complex telecommunications and industrial power systems, in which the rectifier's bays precede the distributions bays.

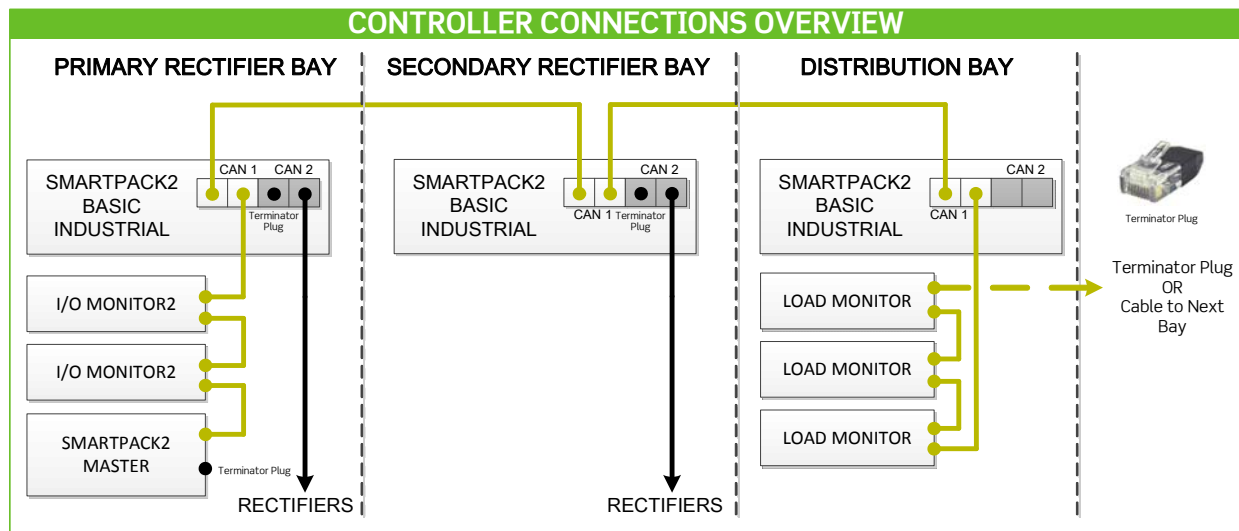The following figure represents a typical control system in a large power system.

Figure 1 – Power System Control

The procedures will use the following upgrade methods:

- The free version of Eltek Network Utility (ENU), as the method to upgrade the Smartpack2 Master Controller.

- SD Card (Secure Digital Card) as the method to upgrade the Smartpack2 Basic Controller, Smartpack2 Basic Industrial Controller, and all CAN nodes.

Important Notes:

- The upgrade procedures described in the following sections ("Upgrade Procedure Using Eltek Network Utility (ENU)" on page 13 and "Upgrade Procedure Using a Secure Digital Card " on page 16 in this document), are designed to upgrade the Smartpack2 Master Controller, Smartpack2 Basic Controller, Smartpack2 Basic Industrial Controller, CAN Nodes, and are applicable to all software versions.

- **Start by installing sequentially the next higher software version from the one installed in your controller (i.e. if the controller software version is 1.0, then install version 1.1, 1.2, 1.3, until the final upgrade version).**The Table 1 below shows the software version history for each controller**.**

Table 1 – Software version history

Controller Name	Software Revisions History										
Smartpack2 Master	1.0	1.1	1.2	1.3	2.0	2.1	2.1.1	2.2	2.2.1	2.3	2.4
Smartpack2 Basic	1.0	1.1	1.2	1.3							
Smartpack2 Basic Industrial	1.0	1.0.1	2.0	2.1	2.2	2.3	2.3.1	3.0			

- **Skipping over software releases may result in erratic behavior, and possible irrecoverable lockup, of the device being upgraded**.

- The software versions for the Smartpack2 Controllers can be downloaded from Eltek Share file server at https://eltek.sharefile.com. The login instructions are provided in page 8 in this document.

- An SD card is required to upgrade the Smartpack2 Basic Controller, Smartpack2 Basic Industrial Controller, and other CAN nodes. The SD card content can be downloaded from Eltek Share File server at https://eltek.sharefile.com. The login instructions are provided in page 7 in this document. The upgrade SD card can be requested from Eltek, Inc. by contacting Eltek Technical Support.

- The free version of the ENU allows you to upgrade the Smartpack2 master controllers through the Ethernet port, one at a time. The licensed version of the ENU allows the upgrade of multiple controllers simultaneously.

- This document does not address system commissioning and configuration, and is not intended to be a manual for how to use the ENU, Eltek PowerSuite, and the Web Interface.

- The procedures in this document should not be used to downgrade the software in the controller. A software downgrade may cause incompatibility issues and or system damages; hence, Eltek does not recommend this practice, and shall not be held responsible for the loss of any data or system malfunction if the user chooses to do so.
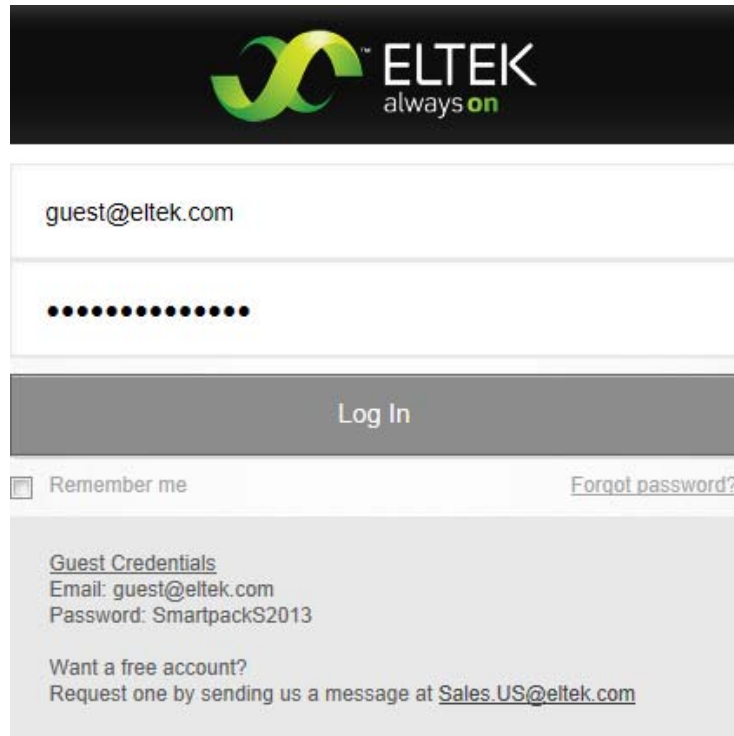
Before upgrade

Before upgrade have the following information available:

- Personal Identification Numbers (PIN codes). The controller and PowerSuite will require PINs.

- The necessary eXtensible Markup Language (XML) files.

- Contact Eltek Technical Support to obtain the XML file if not otherwise available.

- The system part number. It will be required by Eltek Technical Support.

Required equipment and software

The upgrade procedure includes the following hardware and software requirements:

- A computer with an Ethernet port RJ-45 and Microsoft Windows® XP or Windows® 7 installed. Both 32 bit and 64 bit platforms are supported.

- A Standard Ethernet cable (straight through cable), Category 5 (CAT 5) or better.

- An SD Card containing the upgrade firmware packages and auxiliary software.

- Eltek PowerSuite version 3.5 or later installed on the computer. This program can be found on the SD card or the Eltek CD associated with the controller (part number 356807.CD3). As an alternative, you can download PowerSuite from the Eltek Share file server at https://eltek.sharefile.com. Figure 2 illustrates the Sharefile login screen; you can log in using an Eltek account, or simply use guest credentials to download PowerSuite.

- Eltek Network Utility (ENU) program version 2.1 or later installed on the computer. The ENU program can be found on the SD upgrade, or you can download it from the Eltek Sharefile server at https://eltek.sharefile.com. Figure 2 illustrates the Sharefile login screen; you can log in using an Eltek account, or simply use guest credentials to download the ENU program.

Figure 2 – Eltek Sharefile web site login window.

Additional resources

In addition to this document, the following documentation may be needed. Be sure to obtain copies of these documents, before beginning upgrade procedures. Copies of the documents can be downloaded from https://eltek.sharefile.com, as described in the preceding section.

- *Navigation and Menu Tree: Smartpack2 Controller* (Document number 370017.033).

- *User's Guide: Smartpack2 Master Controller* (Document number 350020.013).

- *Configuration Guide: Eltek Controllers* (Document number 370013.063).

- The user guide that was shipped with your power system.

Warnings

- The procedures described in this document are intended to upgrade an energized, live power system. Both AC and DC voltages as well as high currents are present.

8

- Eltek recommends to upgrade the power system during programmed maintenance hours.

- Ensure that the power system is operating in normal conditions without active alarms.

- Observe all precautions and site rules to avoid contact with any voltage and current carrying conductor to prevent electrical shock.

- In the event unforeseen circumstances occur during the upgrade, Eltek is not responsible for the loss of any data.

Upgrade procedures

The upgrade procedures are described in the following chapters:

- "Backing Up Your System Configuration" on page 10.
A procedure to create a backup of the system configuration before you upgrade.

- "Upgrade Procedure Using Eltek Network Utility (ENU)," on page 13.
A procedure to upgrade the Smartpact2 Master controller through ENU. It applies to the SP2 master controller ONLY. The procedure requires the use of a computer.

- "Upgrade Procedure Using a Secure Digital Card ," on page 16.
A procedure to upgrade the entire Smartpack2 based control system, including the CAN nodes. It does not require the use of a computer.

- "Configuration Import Using XML File," on page 23.
A procedure to import the XML files to update the system configuration. The procedure requires a computer and the latest version of PowerSuite installed.

Additional procedures are described in two Appendices:

- "Appendix A. How to record changes to the configuration profile to an XML file," on page 32.
A procedure to record post-installation changes to the factory configuration.

- "Appendix B. Option to Import XML Configuration," on page 37.
An optional procedure to Chapter 5, "Configuration Import Using XML File," allowing you to import the XML configuration though a web browser.

2. Backing Up Your System Configuration

Before you start the upgrade process, create a backup of your system configuration using the SD card that was shipped with the system.

IMPORTANT NOTE: **THE BACKUP FILES ARE VALID <u>ONLY</u> FOR THE SYSTEM AND SOFTWARE VERSION USED TO CREATE THE BACKUP. NEVER USE THE BACKUP ON ANOTHER SYSTEM OR DIFFERENT SOFTWARE VERSION.**

1. At the front of the Smartpack2 Master Controller, slide the lever from the right to the left to access the SD card slot.

Figure 3 – Smartpack2 Master Controller display and SD card slot.

2. Verify that an SD card is present and properly inserted into the controller SD port.

3. Refer to the document named *Navigation and Menu Tree: Smartpack2 Controller* (Document No. 370017.033). Follow the instruction on the first page of to unlock the display and access the controller menu on the screen.

4. Using the **navigation keys** on the display, navigate to the icon on the screen labeled **Up/Download**, and then press the **Enter** key .

Figure 4 – Smartpack2 Master main menu icons

5. Choose **Save/Load Config**, and press **Enter**.

Figure 5 – Smartpack2 Master Menu tree

6. Choose **Save Config. to file**, and press **Enter.**

Figure 6 – Smartpack2 Master Menu tree

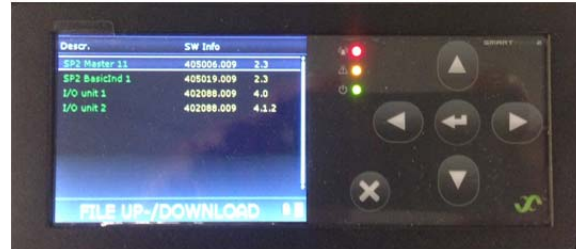7. On the new screen, choose **SP2 Master 11**, and press **Enter**.

Figure 7 – Smartpack2 Master Menu tree

8. At the prompt navigate with the **Arrow Up** key to **0003**, and press **Enter**.

Figure 8 – Smartpack2 Master PIN code prompt

9. Observe that the **lock pad** on the lower right corner on the screen shows it in the open position; then press **Enter**.

10. On the new screen choose **SP2 Master 11**, and press **Enter**.
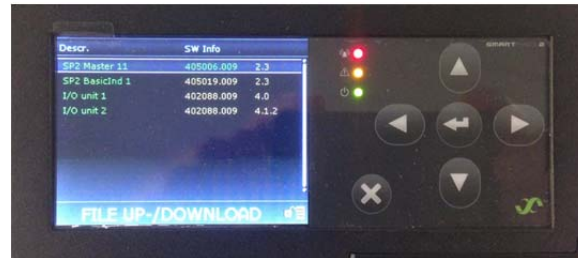
Figure 9 – Smartpack2 Master Menu tree

11. The message **Writing data to SD-card** appears on the lower screen to indicate that the configuration is being saved.
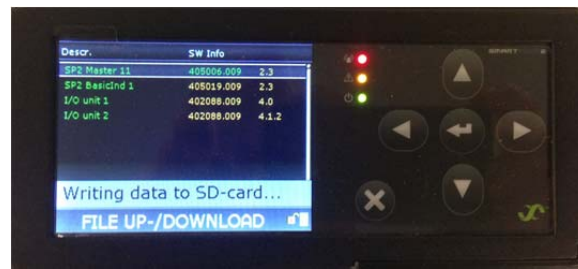

Figure 10 – Smartpack2 Master "Writing to SD-card" message

12. Wait until the message **Writing data to SD-card** is no longer displayed on the screen. When the message disappears, it is an indication that the configuration for the SP2 Master controller was saved.

13. Continue to choose one-by-one the next control units listed on the screen and repeat steps 9 and 10 until the configuration for the last item in the list has been saved.

14. Remove the SD card and label it with the backup name (that is, your system part number), software version, and date created.

This concludes the procedure for making a backup of the system configuration before an upgrade.

Note: The backup files obtained during the above procedure are not interchangeable between software versions. Delete and restore the file every time the system software is upgraded.

3. Upgrade Procedure Using Eltek Network Utility (ENU)

The Eltek Network Utility (ENU) program allows local and remote upgrade of the Smartpack2 master controller.

This chapter explains how to upgrade the Smartpack2 Master controller ONLY, and requires the latest version of the ENU installed on your computer. The correct version of the upgrade software file, "**405006.009_UPDATE_X.X_APP.s19**", must be available on the local hard drive, or on other media accessible by the computer.

1. Locate the Ethernet RJ-45 port on the controller. Using a standard Ethernet cable (straight through cable) Category 5 (CAT 5) or better, connect the controller to a Local Area Network (LAN) port, or to the computer Ethernet port RJ-45.

2. Verify that the connection has been established and start the **Eltek Network Utility** program.

3. Choose the **magnifying glass icon** on the upper left corner of the window. The program will query for any Smartpack2 master controllers that are connected to the Local Area Network (LAN), or connected directly to the computer. The main window of the ENU will populate and list any controllers connected to the same network.

Figure 11 – ENU Main Window

4. From the list of controllers on the window, highlight the **Smartpack 2** Master Controller to upgrade.

5. From the buttons below, choose **SW upgrade**.

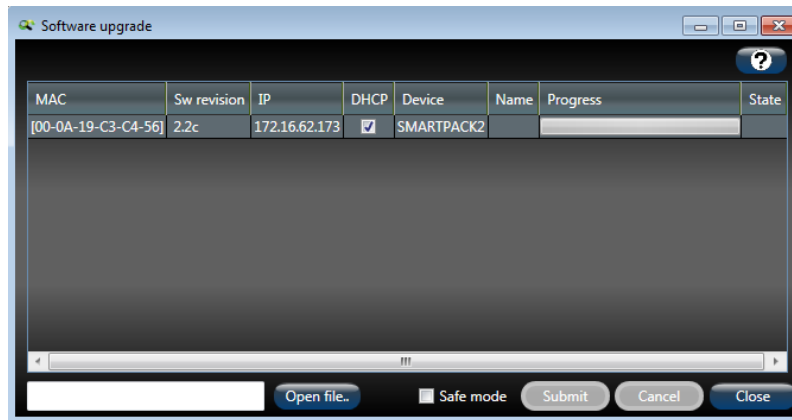6. On the next window choose **Open file**. You will be prompted to locate the .**S19** upgrade file.

Figure 12 – ENU open file dialog window

7. On the file browser window, highlight the correct file with the extension .**S19** (for example, **405006.009_UPDATE_2.3.APP.s19**) and choose **Open**. The window will close.
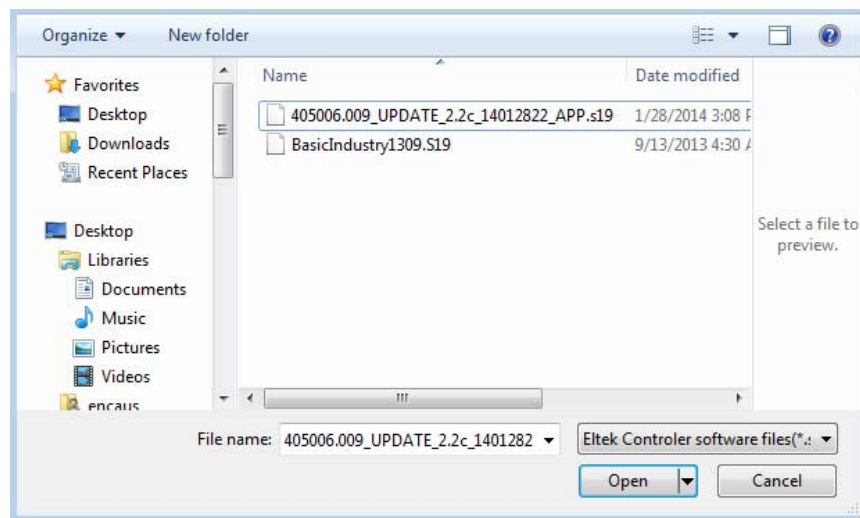

Figure 13 – Selecting and opening the .S19 update file

8. Returning to the **Software upgrade** window**,** click the **Submit** button.
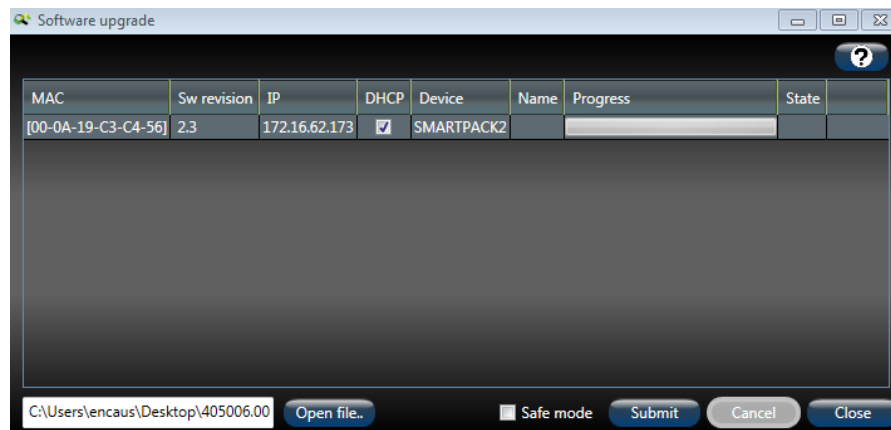
Figure 14 – ENU Open update file dialog window

9. On the **Are you sure?** dialog box, click **Yes** to proceed with the upgrade. The software upload begins; you can see the status of the process on the **progress bar** that follows.
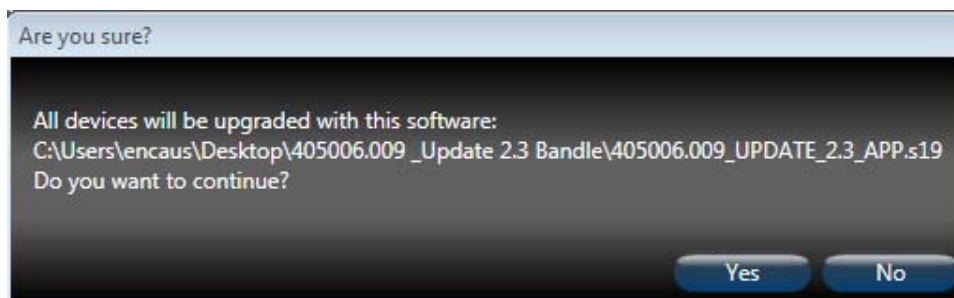

Figure 15 – ENU upgrade confirmation message

After the upload is complete, the controller performs an automatic reboot, and the message **Complete** will appear on the right end of the **progress bar**.

10. **Close** the window. The upgrade of Smartpack2 master controller is completed.

11. Exit the Eltek Network Utility program. You have then finished the procedure.

This concludes the upgrade of the Smartpack2 Master Controller through the ENU program.

4. Upgrade Procedure Using a Secure Digital Card

The Smartpack2 Master Controller (SP2) features a Graphical User Interface (**GUI)** that facilitates local navigation through the menus to upgrade the following control units:

- Smartpack2 Basic Controller

- Smartpack2 Basic Industrial Controller

- Fleximonitor Battery monitor

- IO Monitor Type 1

- IO Monitor Type 2

- IO Monitor Type 3

- Load Monitor

- Mains Monitor, and

- Smart Node RS232_RS485.

The SP2 master controller features an SD port for SD Card to access the media in which the upgrade files are stored from the controller front display.

Files required for the upgrade

The following table shows the list of files needed on the SD card.

Table 2 - List of SP2 Controllers and CAN nodes with corresponding SW.

SP2 Controllers and CAN nodes list				
Controller- Node part number	Device name	SW part number	File name	Upgrade Method/Used Port
242100.500.VC	Smartpack2 Master	405006.009	Update_XX_APP.s19	ENU – Ethernet port
242100.501.VC	Smartpack2 Basic	405007.009	SP2BAS.MHX	SD Card/SD port
242100.601.VC	Smartpack2 Basic Industrial	405019.009	SP2BASIN.S19	SD Card/SD port
242100.603.VC	Fleximonitor	405028.009	FLEXIMON.S19	SD Card/SD port

SP2 Controllers and CAN nodes list				
242100.300.VC	Battery Monitor	402086.009	BATTMON.HEX	SD Card/SD port
242100.304.VC	IO Monitor Type 1	402088.009	IO_UNIT.HEX	SD Card/SD port
242100.502.VC	IO Monitor Type 2	402088.009	IO_UNIT.HEX	SD Card/SD port
242100.306.VC	IO Monitor Type 3	402088.009	IO_UNIT.HEX	SD Card/SD port
242100.301.VC	Load Monitor	402087.009	LOADMON.HEX	SD Card/SD port
242100.305.VC	Mains Monitor	402093.009	MAINSMON.HEX	SD Card/SD port
242100.200.VC	Smart Node RS232_RS485	402077.009	SMARTNOD.MHX	SD Card/SD port

Additional documentation

For additional documentation about the controller, refer to the "Additional resources," listed on page 8. Reference is made to these other documents within this procedure. If you do not have a copy of these documents handy, download them from https://eltek.sharefile.com, as described in the section, "Required equipment and software," on page 7.

Before upgrade

Please be aware of the following recommendations:

- Be prepared to allow the necessary time to the upgrade process to be completed. Some units will require longer time to upgrade (for example, each Smartpack2 Basic Industrial Controller may take up to 20+ minutes). During this time, the message **PROGRAMMING** will be displayed on the screen (see Figure 22) during the upgrade.

- Do not interrupt the upgrade process once it is initiated. Interrupting the process may cause adverse consequences to the system.

- The Smartpack2 Master controller will list all the units or CAN nodes that are present in the system connected through CAN 1 bus.

- Each unit or node must be programmed **ONE**-at-a-time.

Upgrade Procedure

1. At the front of the Smartpack2 Master controller slide the lever from right to left to access the SD card port.

Insert SD card here

Figure 16 – Smartpack2 Master Controller lever and SD card location

2. Properly insert the SD card into the SD port.

3. Unlock the display and access the controller menu on the front of the screen. If you need further instructions on unlocking and using the controller display, refer to the document, *Navigation and Menu Tree: Smartpack2 Controller* (document number 370017.033). If you do not have this document handy, download it from https://eltek.sharefile.com.

4. Using the navigation keys on the keypad, navigate to the icon on the screen labeled **Up/Download**, and then press the **Enter** key ⏎.

Figure 17 – Smartpack2 Master display and key pad

5. Choose **Software Upgrade**, and press **Enter**. The controller will display the list of all available items that can be upgraded.
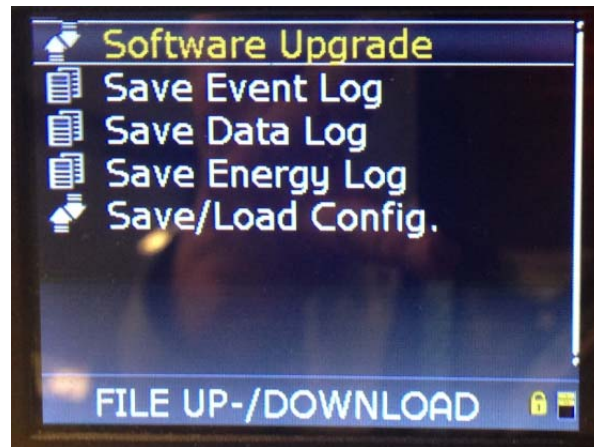
Figure 18 – Smartpack2 Master display showing Software Upgrade menu

6. On the new screen, using the **UP** or **DOWN** arrows, choose the unit to upgrade (for example, **SP2 Master 11,** and press **Enter**. The controller will request the upgrade PIN code.
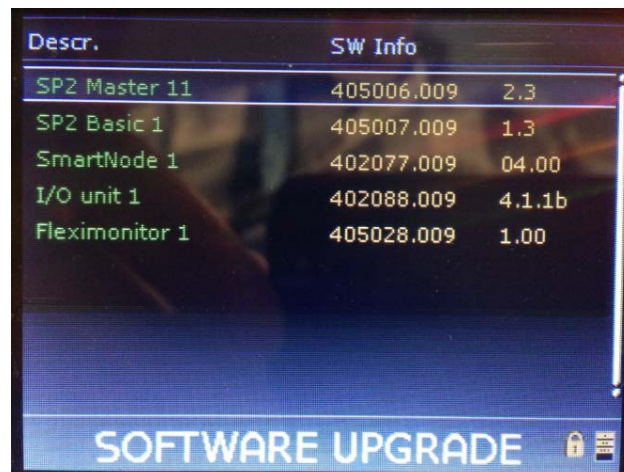
Figure 19 – Smartpack2 Master display showing selected unit

7. At the prompt, navigate with the **Arrow Up** to key to position each digit. Start with the first digit to the right and use the **Left arrow** to navigate to the next digit, and so on. After inserting the PIN code **0709**, press the **Enter** key.
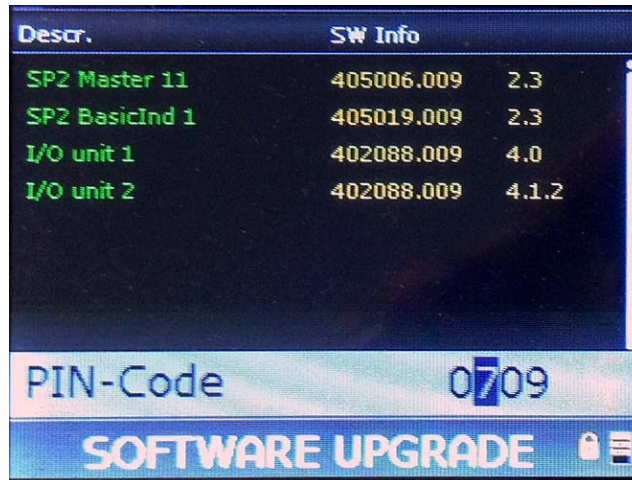
Figure 20 – Smartpack2 Master Display showing PIN code prompt

Note: The master controller will perform a reboot after the programming is concluded and will set the screen back to home.

To upgrade the other units in the system start again from step 3 in this procedure and navigate to the unit next below the master controller.

8. Press the **Enter** key again. The programming process of the selected unit will begin. The message **Reading from SD Card** and **Programming** will appear on the display during this process.

**Figure 21 – Smartpack2 Master display
showing reading from SD card message**

9. The **Programming** message will fade when the programming is completed.

**Figure 22 – Smartpack2 Master display
showing Programming message**

Repeat steps 6 to 9 to upgrade more units in the system as necessary.

The upgrade of the system is complete when the last unit is programmed.

The screen shown in the preceding figure will time out and go back to the home screen after approximately 5 minutes if left unattended.

The new software information will be displayed on this screen after it automatically times out, or if it is manually is set back to the home screen.

This concludes the software upgrade procedure using the SD card.

5. Configuration Import Using XML File

The following procedure guides you through the task of importing a XML file to update the system configuration. The XML file will configure new features after the upgrade.

Before uploading configuration update

The new software version includes important new features and enhancements that must be configured, while also preserving the initial system configuration.

Before exercising the procedure in the next chapter, ensure that you choose the correct XML to configure your power system.

IMPORTANT NOTES:

- The controller components are all connected to CAN 1 bus, and each one of the CAN nodes has a unique address that is set by a DIP Switch configuration.

- If your system is equipped with one or multiple Smartpack2 Basic controller/s, both the CAN nodes and rectifiers are all communicating through CAN1.

- If your system is equipped with one or multiple Smarpack2 Basic Industrial Controller, the CAN nodes are all communicating through CAN1 only. The rectifiers are all communicating through CAN2 only.

- Larger power systems might include multiple Smartpack2 Basic Industrial Controllers and other CAN nodes. Make sure that the rectifier's bays disposition is sequential and always preceding the distributions bays.

- The XML file will target the specific component addresses and assumes that the DIP Switches configuration is sequential. **Rectifiers bays first, then distribution bays**.

- Import ONLY one of the XML files to update the system configuration. XML files are located in the SD card under the folder named **XML Files/<your power system name>/Configuration Upgrade XML**.

- Identify the correct XML file by the AC main input voltage and the number of the rectifier's bay that matches your system hardware, see Table for more details.

- The Configuration Update XML files were recorded to update new features in your system. It will not modify the existing configuration prior to the upgrade.

- If the AC input voltage for your system does not match the AC voltage that the XML indicates, the AC mains alarm levels need to be manually configured.

- **Importing a Factory Defaults with XML files is NOT part of the upgrade. It will set the configuration of the system back to the factory defaults, and will erase any change(s) to the configuration made after the installation.**

- Should you have any doubt about the appropriate XML file for your system, contact Eltek Technical Support before applying the configuration.

As an example, Table shows the list of XML files that correspond to larger PowerPack systems. Make sure that you import the correct file as per the system input voltage and the number of rectifier bays.

Table 3 – XML file and Power System relation.

XML file name	Target System	Input Voltage	Number of rectifier bays	Output Voltage
208Vac_1_Rectifier_bay.xml	PowerPack 208/48	208Vac	1 Rectifier bay	48Vdc
208Vac_2_Rectifier_bay.xml	PowerPack 208/48	208Vac	2 Rectifier bay	48Vdc
208Vac_3_Rectifier_bay.xml	PowerPack 208/48	208Vac	3 Rectifier bay	48Vdc
480Vac_1_Rectifier_bay.xml	PowerPack 480/48	480Vac	1 Rectifier bay	48Vdc
480Vac_2_Rectifier_bay.xml	PowerPack 480/48	480Vac	2 Rectifier bay	48Vdc
480Vac_3_Rectifier_bay.xml	PowerPack 480/48	480Vac	3 Rectifier bay	48Vdc

Importing the XML Configuration File

The procedure requires the latest version of Eltek PowerSuite installed on the computer.

1. Start the **PowerSuite** program and choose **Connect** to connect to the system controller through the Ethernet cable.

Figure 23 – Power Suite Main Window

2. Enter the IP address of the controller in the field **Control unit IP address.** Leave the other parameters the same.
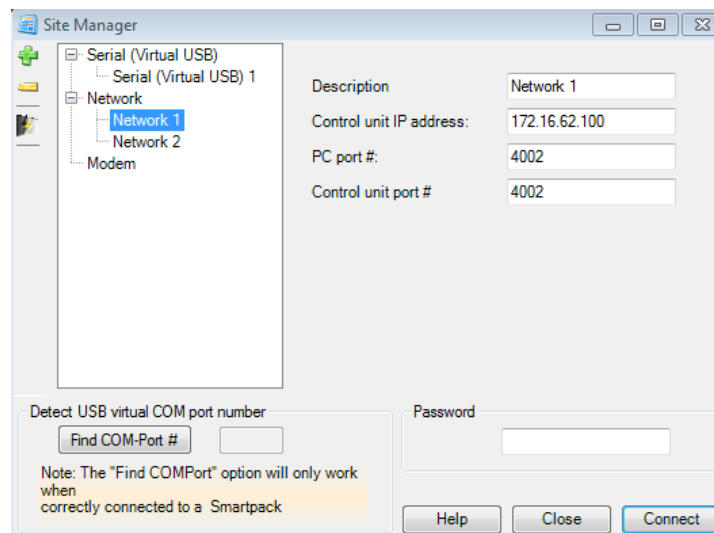
Figure 24 – Power Suite – Site Manager Window

3. Enter PIN code **3** in the field **Password**, and click the **Connect** button.

4. On the main window tool bar choose **Tools** › **Import/Export Configuration (XML files)** › **Next**.
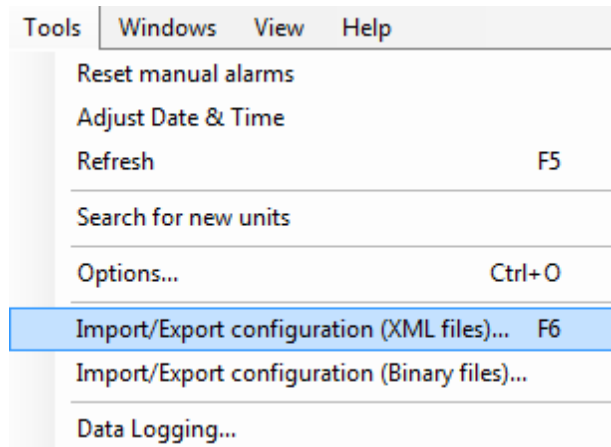
Figure 25 – PowerSuite tools menu

5. On the next dialog box, select **Read from file** › **Load configuration from file** › **Open**.
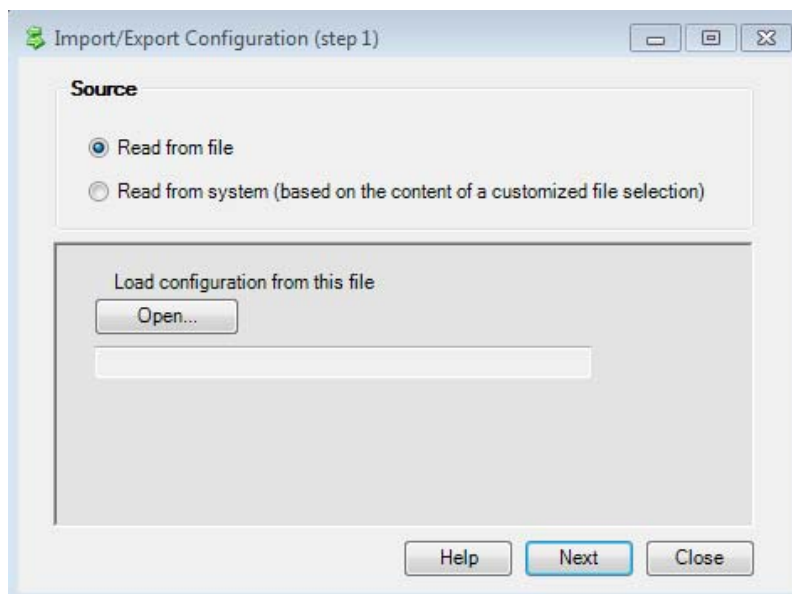
Figure 26 – PowerSuite open file prompt

6. In the next dialog box, the program promps you for the location (on the computer) where the configuration file is stored, for example, **Documents/Eltek/Saved Configuration**. Locate the file, highlight it, and choose **Open**.
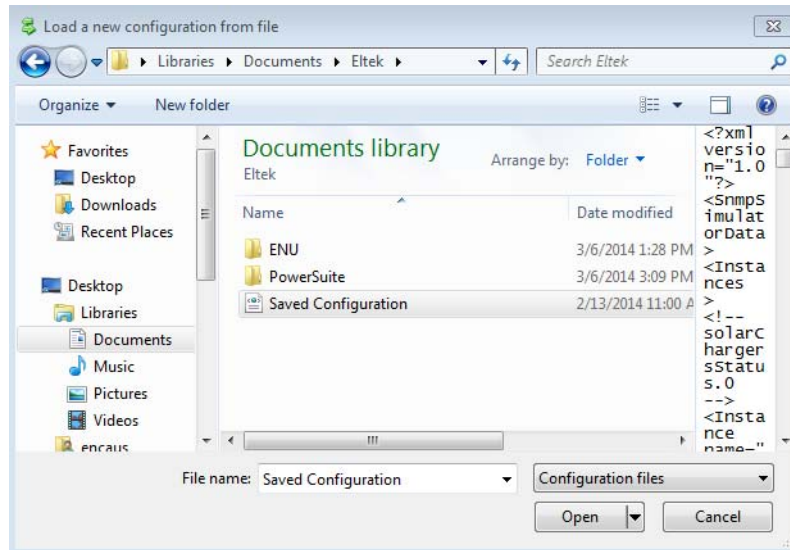
Figure 27 – PowerSuite file location dialog

7. Going back to the **Import/Export Configuration (step1)** dialog box, click the **Next** button.
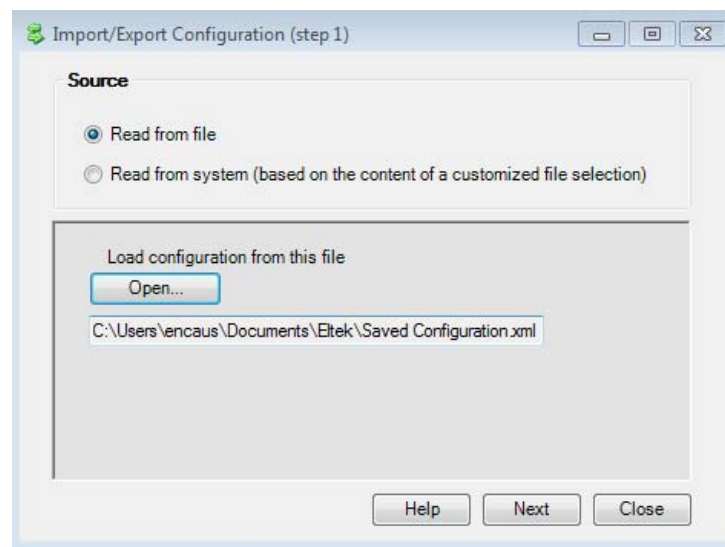
Figure 28 – PowerSuite Import/Export step 1

8. The next dialog box shows the hardware destination to which the configuration will be written. Choose **Next** to confirm writing the imported configuration.
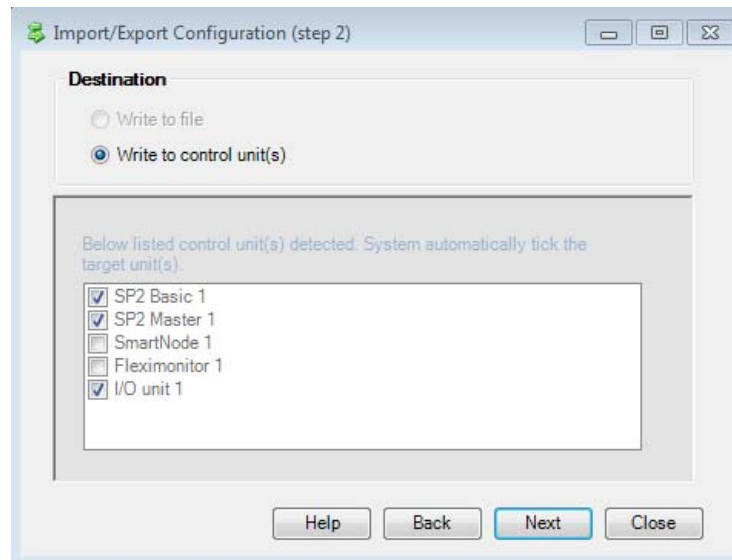
Figure 29 – PowerSuite Import/Export step 2

9. On the next dialog box, PowerSuite presents a summary of the actions to be executed. Choose **Next**. The writing process will begin.
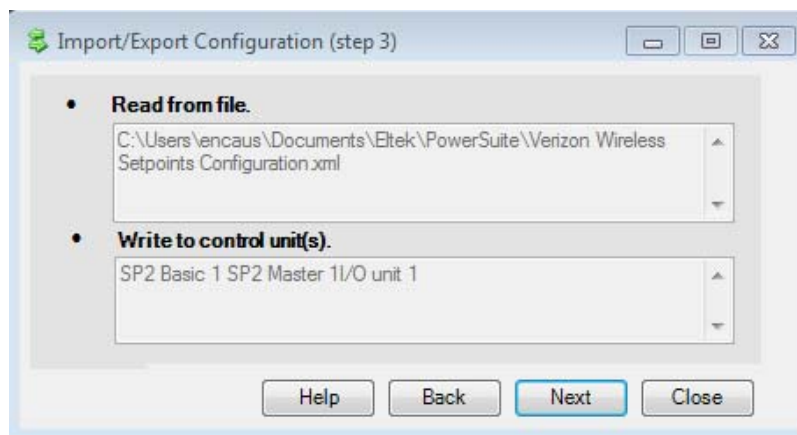
Figure 30 – PowerSuite Import/Export step 3

10. A new box appears, with a progress bar of the process. The progress indicator closes automatically when the process is complete.
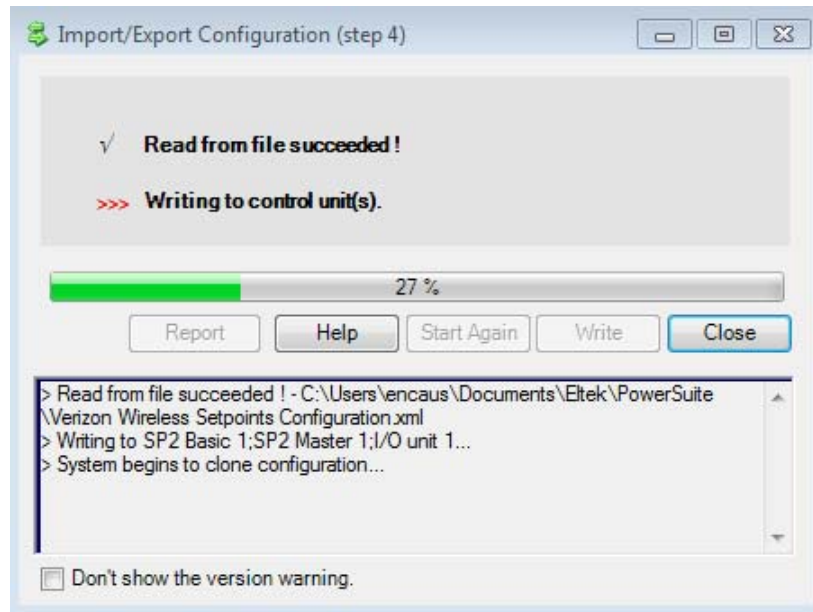
Figure 31 – PowerSuite Import/Export step 4

11. The next dialog box presents the final summary of the process.
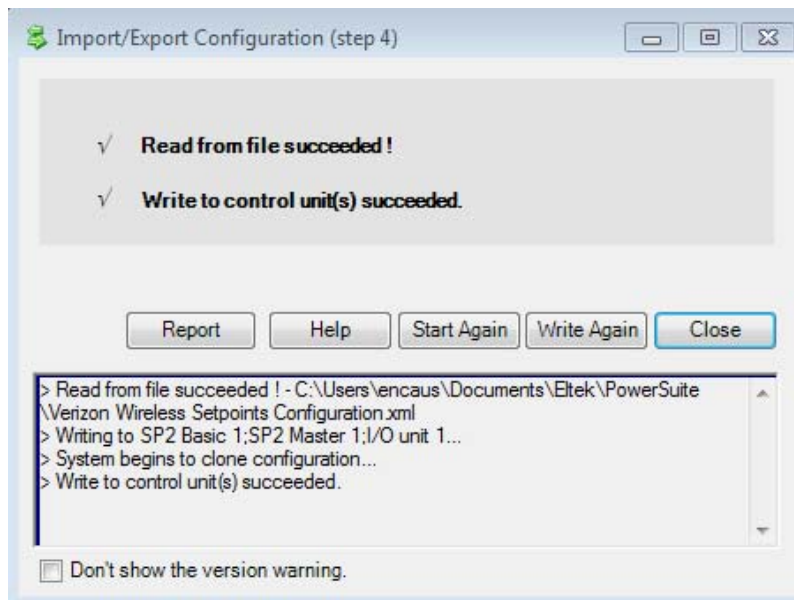
Figure 32 – PowerSuite Import/Export success confirmation

12. When finished, PowerSuite shows a dialog box with an indication that, due to the changes, the program needs to reconnect to the system. This connection is needed in order to refresh the application with the new settings. Choose **OK** to reconnect.
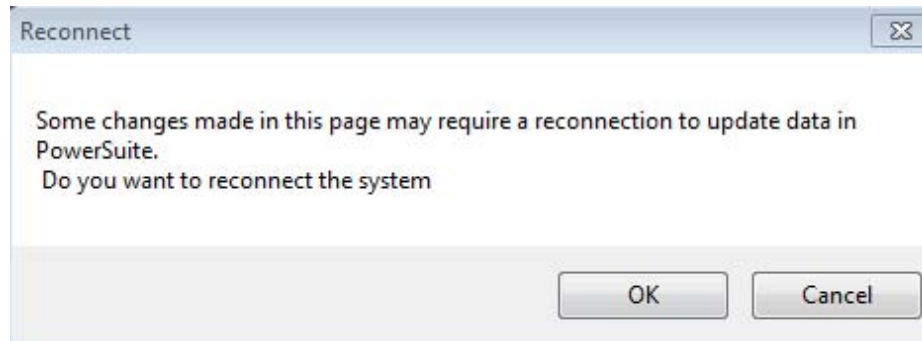
Figure 33 – PowerSuite reconnect message

13. The previous dialog box will remain on the screen while PowerSuite reconnects. Click the **Report** button to generate a PDF file report summarizing the changes, and then **Close** the window.
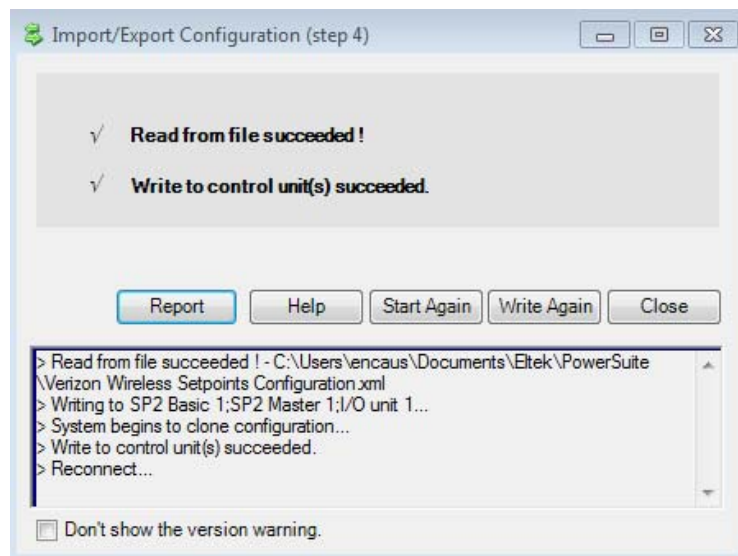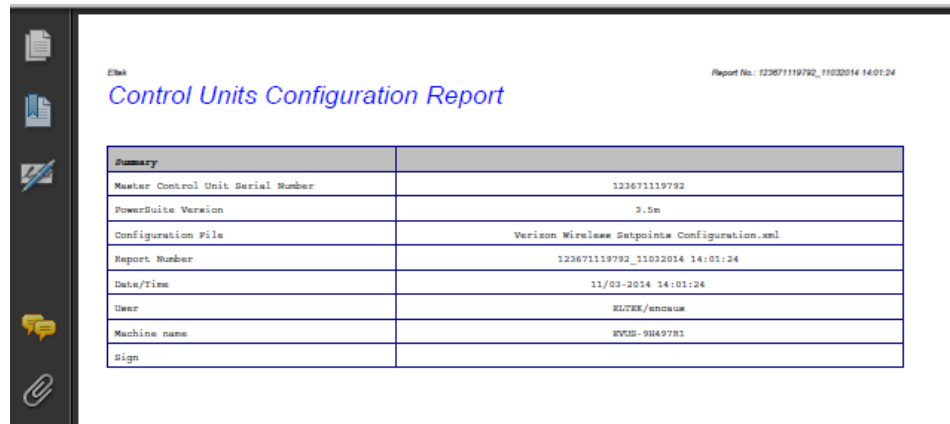
Figure 34 – PowerSuite report option

Software Upgrade Procedure: Smartpack2 Controller – Doc. No. 370036.063, Issue 2, Nov-2014

14. The following figure illustrates the PDF report generated by PowerSuite. Keep the report to track any changes made to the configuration.

Figure 35 – Configuration report

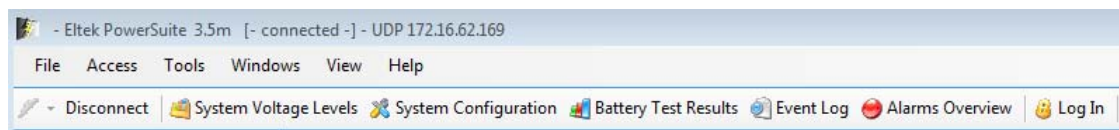15. **Disconnect** and **Close PowerSuite**.

Figure 36 – PowerSuite Disconnect

16. Upload of the updated configuration is completed. Confirm that the system is operating normally without alarms.

This concludes the procedure to import a XML file using PowerSuite.

Appendix A. How to record changes to the configuration profile to an XML file

This appendix is not a direct part of the upgrade procedure. It is intended to provide you with an option to record changes to the factory configuration profile, should such changes be necessary.

The configuration profile changes are recorded in an eXtensible Markup Language (XML) file.

The procedure requires the **PowerSuite** program version 3.5 or above.

To record the changes to the factory configuration profile:

1. Start the **PowerSuite** program and choose **Connect** to connect to the system controller through the Ethernet.
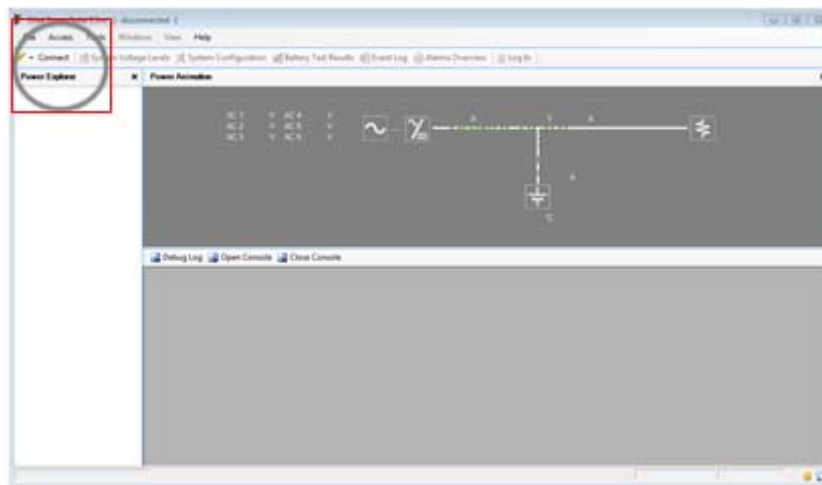
Figure 37 – Power Suite main window

2. Enter the IP address of the controller in the field **Control unit IP address.** Leave the other parameters the same.
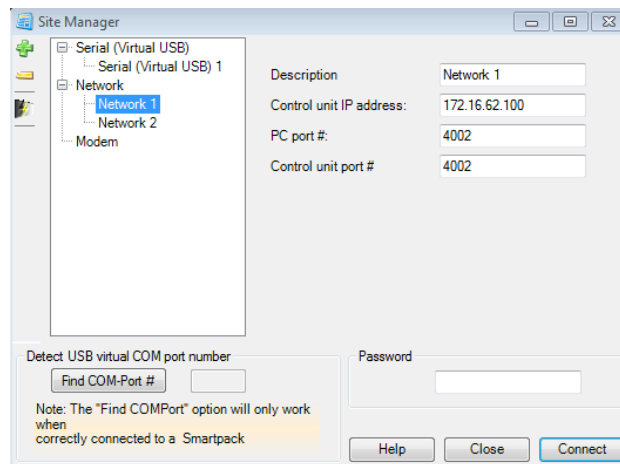

Figure 38 – Power Suite Site Manager window

3. Enter the required PIN code **709** in the field **Password**, and click the **Connect** button.

4. On the main window tool bar choose **Tools › Record changes to file**. A new dialog box will open.
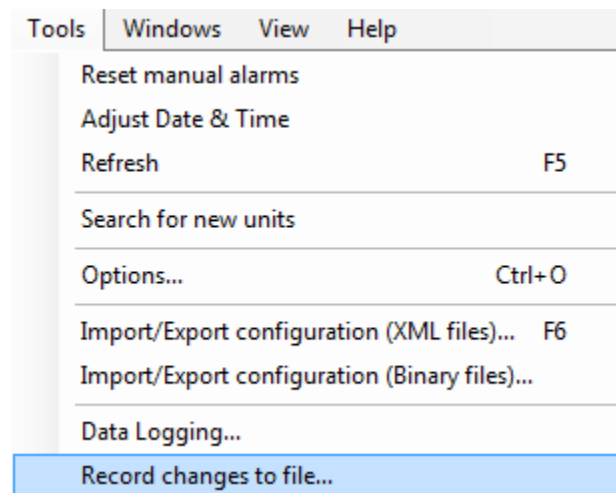

Figure 39 – PowerSuite tools menu to start recording

Note: After selecting **Record changes to file**, the window shown in Figure 40 will open to initiate the dialog to either select an existing XML file to record the changes, or create a new file. The **PowerSuite** program is a Microsoft® Windows® based application and points to the default directory located in the computer's local hard drive at **My Documents/Eltek/PowerSuite**.

In the PowerSuite directory, other XML files may exist if you have previously uploaded or saved the configuration for other or identical power systems. *The XML files are unique for each power system, part number and configuration.*

5. On the new window choose the appropriate XML file or create a new file by entering a **File name** for the new configuration; then choose **Open**. A new configuration file will be created for PowerSuite to record the changes. The window will close automatically and bring you back to PowerSuite home window.
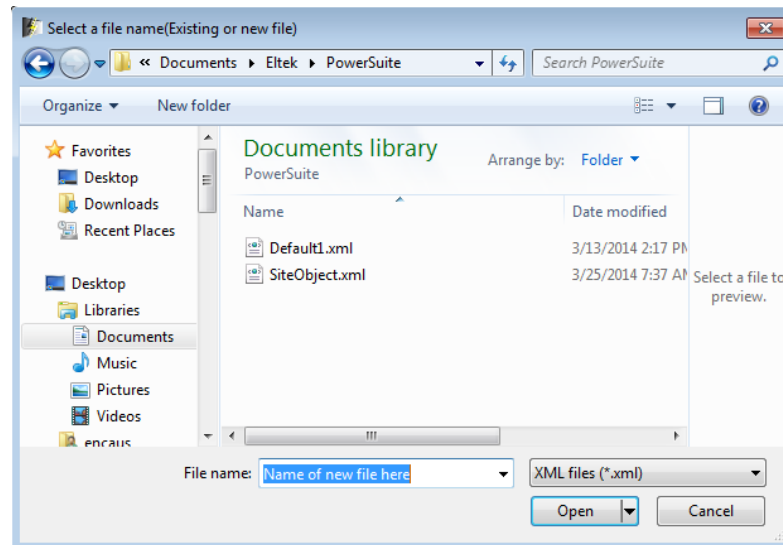
Figure 40 – Dialog window to open or create XML file

6. At the Home Window observe the lower right side and make sure that a red dot is present and making a pulsating movement. This indicates that the recording function is turned ON.
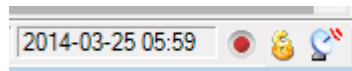

Figure 41 – PowerSuite red recording icon present

Software Upgrade Procedure: Smartpack2 Controller – Doc. No. 370036.063, Issue 2, Nov-2014

7. From the system tree on the left side of PowerSuite home window, choose the part of the system to change configuration. The following figure illustrates the steps to change and record new values to the number of battery strings, battery capacity, and reference voltage (float voltage).
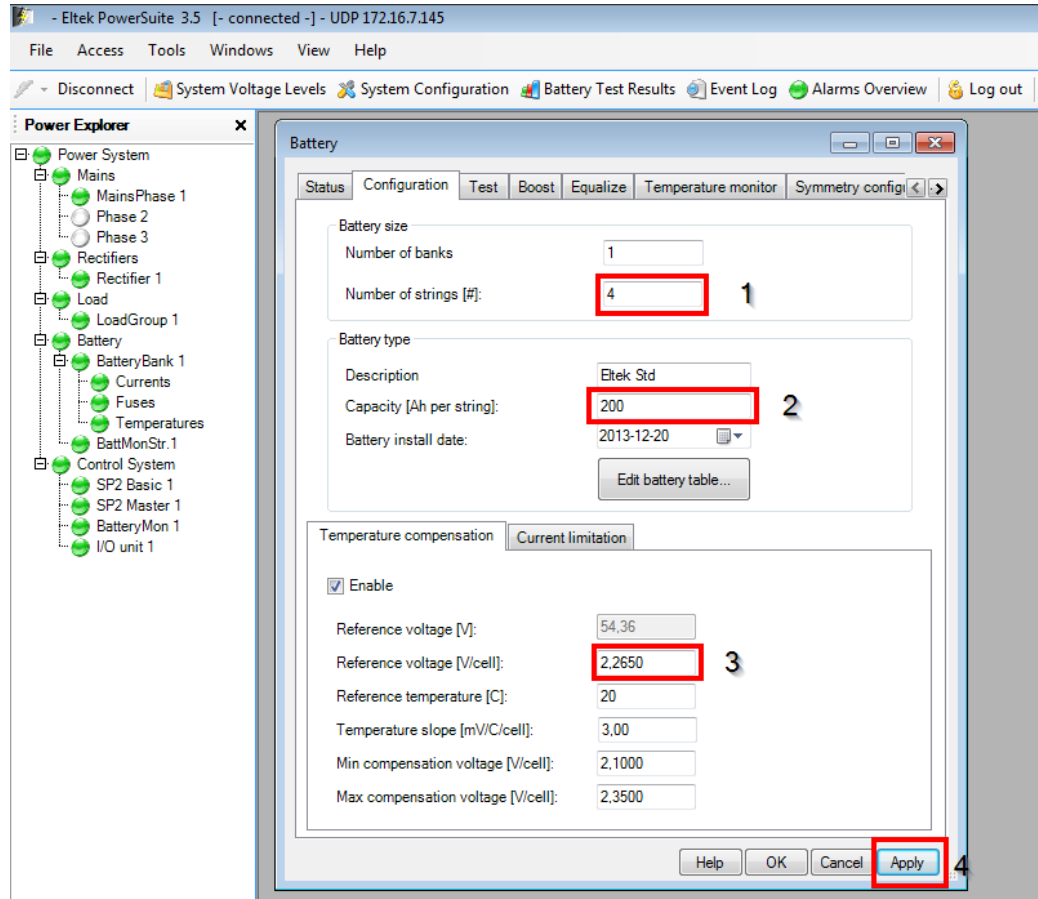

Figure 42 – Shows changes to the system configuration

8. When all the changes are made, click the **Apply** button to ensure that the changes are written to the system memory. Then click **OK** to close the window and continue with the next step to stop or turn OFF the recording.

9. On the **Tools** tab, on the main window, choose **Stop recording changes**.
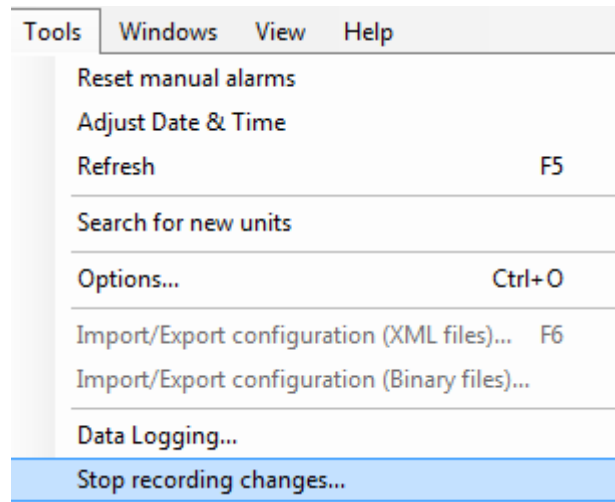

Figure 43 – PowerSuite tools menu to Stop Recording

10. On the main window, choose **Disconnect** PowerSuite and **Exit** the program.
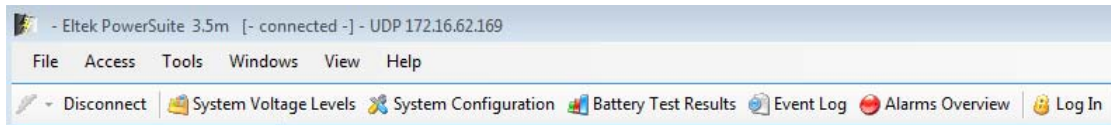

Figure 44 – PowerSuite Disconnect

This concludes the procedure to record changes to a XML using PowerSuite.

Appendix B. Option to Import XML Configuration

This appendix is intended to provide you with an additional option to import the XML configuration file.

Chapter 5, "Configuration Import Using XML File," describes how to import the XML configuration by using Eltek PowerSuite program. The following procedure guides you through the procedure of how to import an XML configuration using a web browser. For this procedure, both **Microsoft Internet Explorer** and **Mozilla Firefox** web browser supports the process.

To import the XML configuration file using the web interface:

1. Initiate **Mozilla Firefox** program and type the controller IP address on the web address bar, for example, 192.168.10.20, and then hit the **Enter** key on your computer keyboard. The login window appears. Click **LOGIN**.
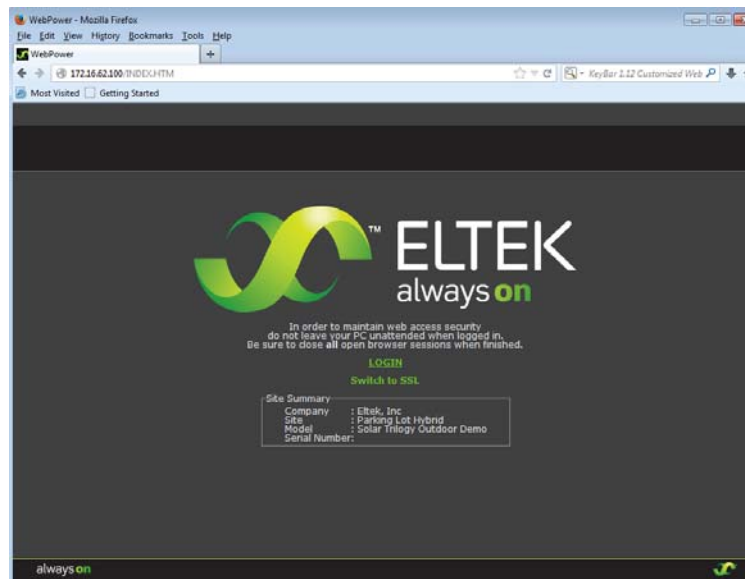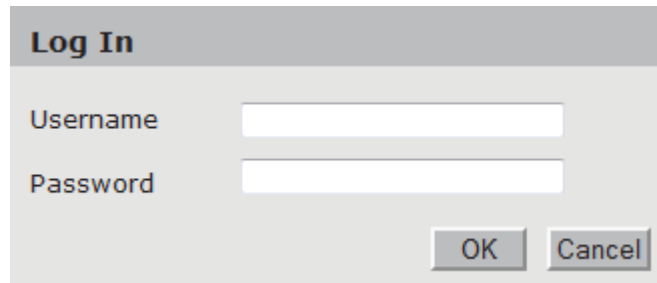

Figure 45 – Smartpack2 Web login window

2. On a new dialog box, you will be prompted for the user credentials. Type in the word **admin** for both **Username** and **Password**, and then click **OK** to log in.

Figure 46 – Smartpack2 web Log In information window

3. The next window shows the power system web home page. From the tool bar on the top, choose **Commands**.

Figure 47 – Smartpack2 Web interface home page

Software Upgrade Procedure: Smartpack2 Controller – Doc. No. 370036.063, Issue 2, Nov-2014

4. The new window shows a menu tree on the left side. These are commands applicable to different sections of the power system, that is, system commands, battery commands, etc. Choose **Load/Save Config**.
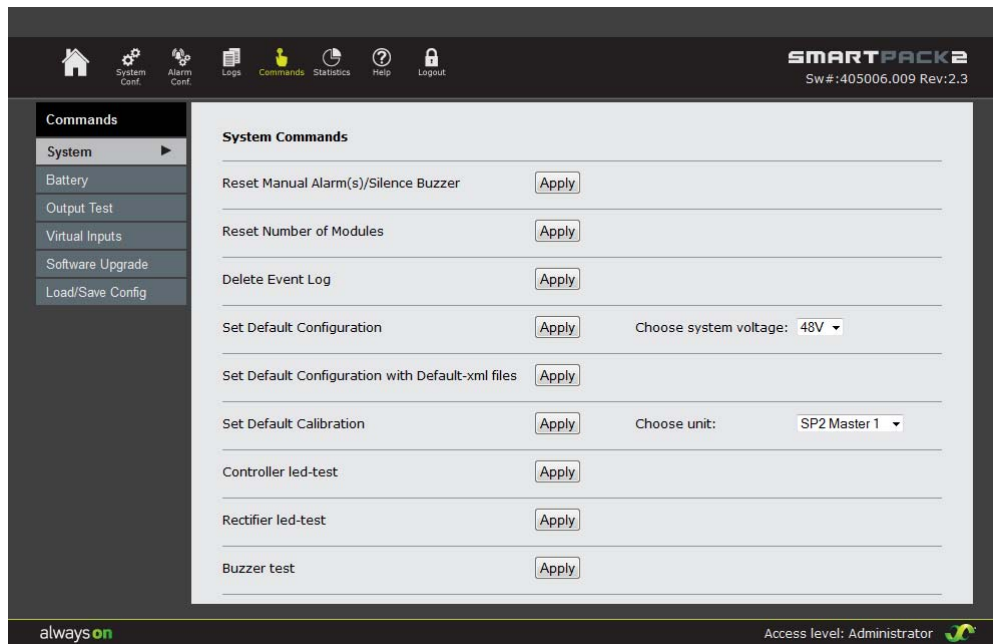

Figure 48 – Smartpack2 commands menu web page

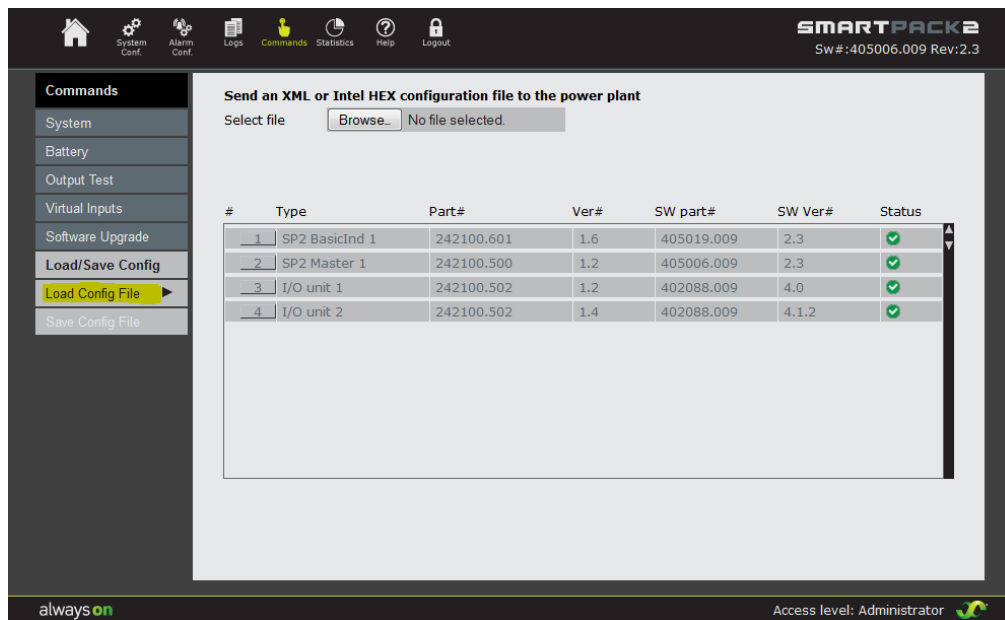5. On the new window choose **Load Config File**, and then choose **Browse**.

Figure 49 – Load Configuration file web dialog page

6. On the next dialog box, highlight the XML file to upload, for example, **208VAC_1_Rectifier bay_4_DC distribution bay.xml**, and then choose **Open**.
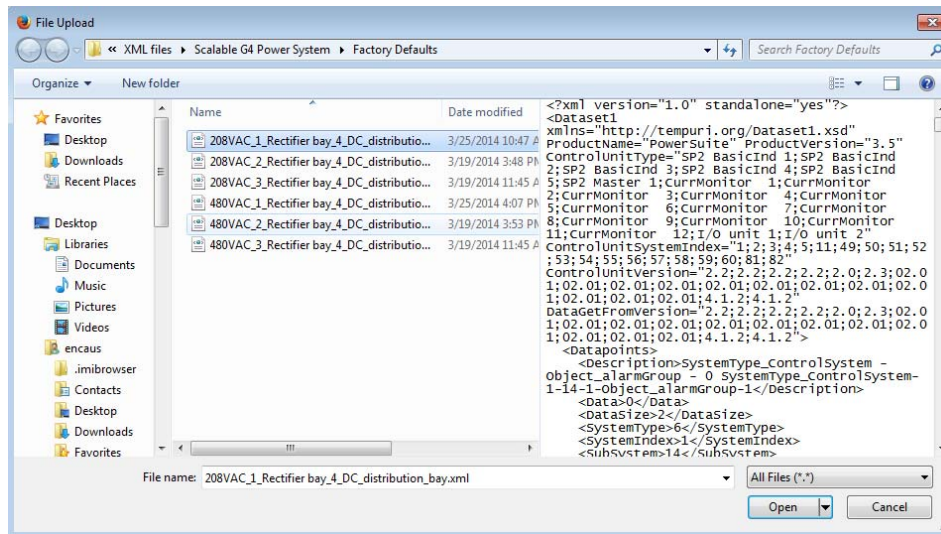

Figure 50 – XML file selection dialog window

7. On the next dialog box, the system shows a summary of the xml file. Choose **Upload Config file** to begin uploading the configuration. A progress bar indicates the status of the process.
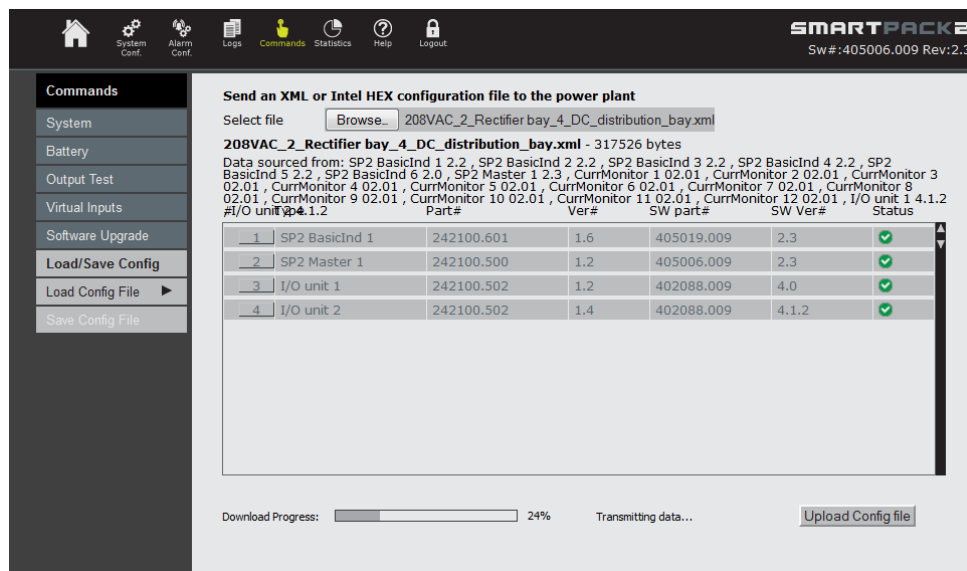

Figure 51 – Upload configuration page

8. When the upload is complete, choose the **Home** icon on the main tool bar to return to the home page and to refresh the graphical web interface (GUI).

Figure 52 – Smartpack2 Web interface home page

9. When back to the home page, click **Logout** on the tool bar to terminate the section. This will terminate the section with the controller but the connection to the system will remain active.
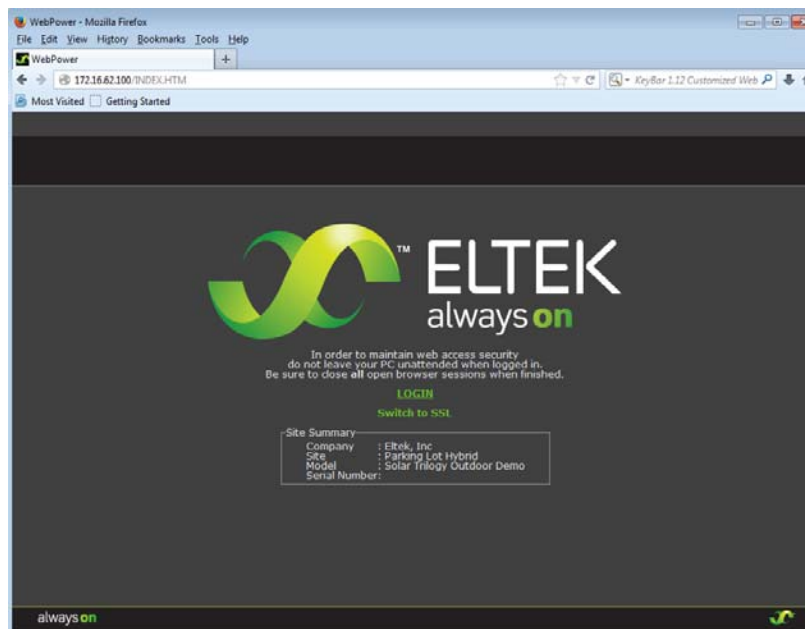

Figure 53 – Smartpack2 web log in page

10. Close your web browser to completely terminate the connection with the controller.

This concludes the procedure to import a XML file using a browser.

Revision Table

Revision	Published	Description	CO
1	April - 2014	Initial release	NA
2	Nov - 2014	Modified Important Notes on pages 5, and table 2 on page 16-17.	141112UA

2925 E Plano Parkway
Plano, TX 75074
USA

Phone: +1 (469) 330-9100
Fax: +1 (972) 424-0885

Technical Support
+1 (800) 435-4872
Techsupport.us@eltek.com

www.eltek.com/us