

ViewPower Pro

Software

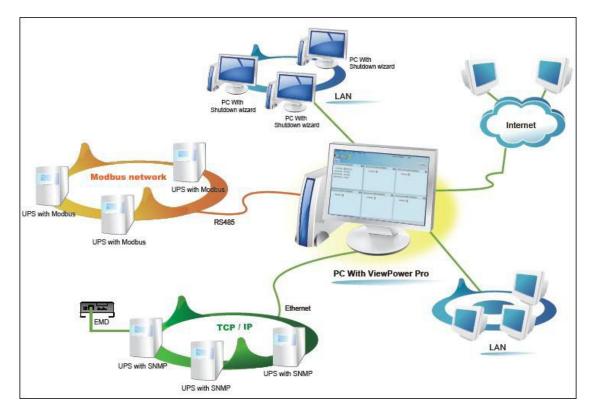
User & Installation Manual

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ViewPower Pro Overview

Introduction

ViewPower Pro is an advanced UPS management software which is perfect for home users and enterprises. It can monitor and manage from one to multiple UPSs in a networked environment including LAN, INTERNET and RS485based networks. Integrated with Shutdown Wizard, it can not only prevent data loss from power outage and safely shutdown systems, but also store programming data and scheduled shut down UPSs. All UPS working data and event records can be kept in local database system.



Structure

ViewPower Pro includes monitor service, WEB service and tray service.

- Monitor service: It is the core of ViewPower Pro software. Monitor service automatically find UPSs in the networks, store UPS working data and event information. It will communicate with UPS, record events, notify users with events, and execute command according to the users' request.
- WEB service: It offers Http or Https service for local or remote users. Users can manage and monitor UPSs for realtime status, information and modify UPS setting parameters via browser such as IE and Firefox.
- Tray service: It is management tool for ViewPower Pro software. It includes start monitor, stop monitor, SNMP manager and so on.

Features

- Centralized control and monitor up to 1000 UPSs via SNMP or Modbus networks.
- Offers WEB service to allow remote monitoring service via Intranet or Internet.
- Offers quick overview for UPS monitoring in Text and Graphic view.
- Offers user-customized background picture for graphic view with simple drag and drop.

• Scheduled UPS on/off, battery test, and scheduled wake on LAN programs.

ViewPower Pro Install and Uninstall

System Requirement

- 1 GB physical memory at least (2 GB is recommended)
- 2 GB hard disk space at least
- Administrator authority is required
- More than 16bit colors and 800 x 600 or above resolution display is recommended
- TCP/IP protocol must be installed for network management
- Platforms supported by software are listed below:
 - » Windows 2000
 - » Windows XP/2003/Vista/2008 (32bit & x64bit)
 - » Windows 7 (32bit & x64bit)
 - » Windows SBS 2011
 - » Linux RedHat 8, 9
 - » Linux RedHat Enterprise AS3, AS5, AS6 (32bit)
 - » Linux RedHat Enterprise AS6 (64bit)
 - » Linux RedHat Enterprise 5.2 (32bit & 64bit)
 - » Linux SUSE 10 (32bit & 64bit)
 - » Linux Cent OS 5.4 (32bit)
 - » Linux Ubuntu 8.X, 9.X, 10.X (32bit)
 - » Linux Ubuntu 10.X (64bit)
 - » Linux Ubuntu 12.04 (32bit & 64bit)
 - » Linux Fedora 5
 - » Linux OpenSUSE 11.2 (32bit & 64bit)
 - » Linux Debian 5.x, 6.x (32bit)
 - » Linux Debian 6.x (64bit)
 - » Mac OS 10.6 (x64bit)
 - » Mac OS 10.7 (x64bit)
 - » olaris 10 for x86 (32bit)

Software Install

Step 1

Insert the software CD into CD ROM. Installation menu will be automatically displayed, or you can run autorun.exe to start the installation in CD directory.



It will show the following screen. Then click "ViewPower Pro" button to start the installation.



Step 3

After clicking install, it will display the installation in process.

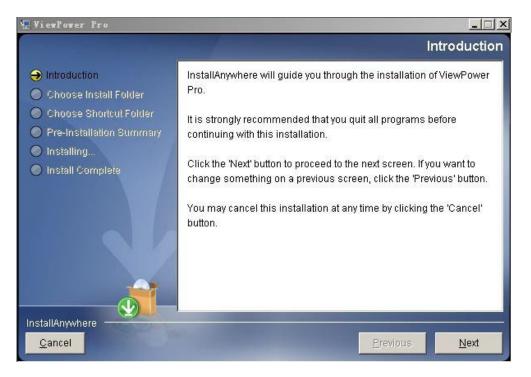
5	Insta ll Anywhe	re is preparing	to install	
			49%	
				Cancel

Step 4

Choose wanted language and click "OK".

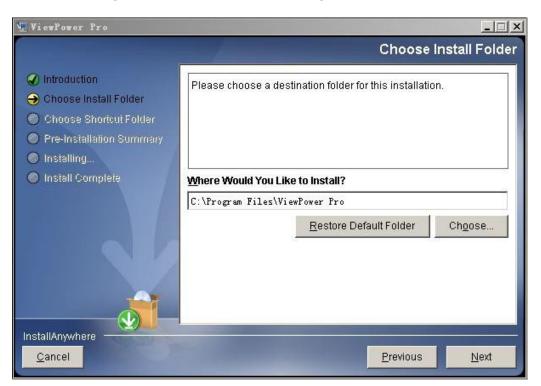


Click "Next" to proceed to the next screen.



Step 6

Click "Choose" button to change the default folder. After choosing the installed folder, click "Next" button.

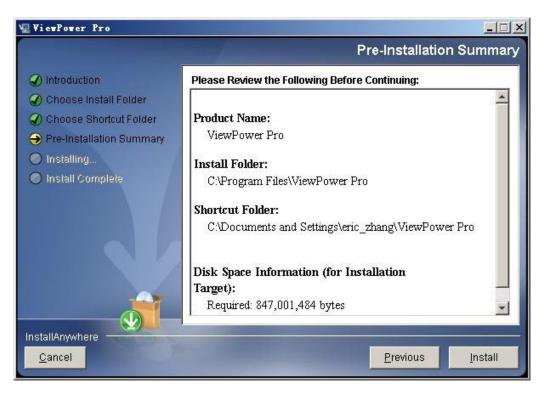


Choose the shortcut folder and click "Next" button.

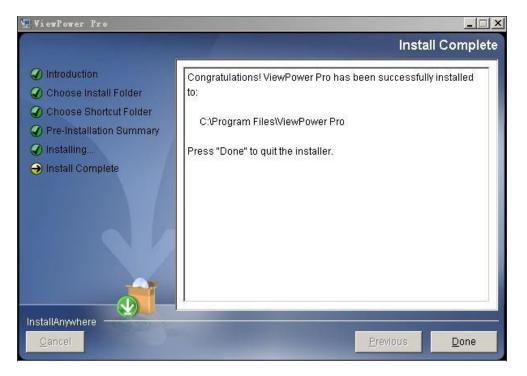
🐙 ViewPower Pro			_ 🗆 🗵
		Choose Sho	rtcut Folder
 Introduction Choose Install Folder Choose Shortcut Folder Pre-Installation Summary Installing Install Complete 	Where would you like to create prod In a new Program Group: In an existing Program Group: In the Start Menu On the Desktop In the Quick Launch Bar Other: Don't create icons Create Icons for All Users	ViewPower Pro	3
InstallAnywhere Cancel		<u>P</u> revious	<u>N</u> ext

Step 8

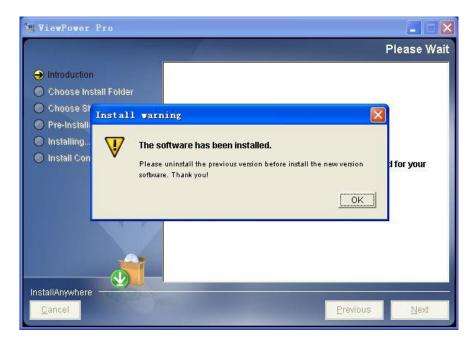
It will display the software summary before installation. Click "Install" button to start the installation.



Click "Done" button to confirm the installation completely.



Note: Please uninstall the previous version before install the new version software. If detecting installed View-Power Pro during installation, it will remind users to uninstall old version first.

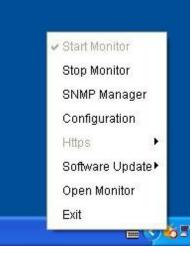


Software Uninstall

Please choose Start>>All Programs>>ViewPower Pro>>Uninstall. Then follow the onscreen instruction to uninstall the software. Before uninstall software, you must stop all software programs first and then log in as "Administrator"! Otherwise, it can't be uninstalled completely.

Service Tray Application

The Installer will leave a shortcut icon on your desktop. Simply click the shortcut. Then it will start the software and display an orange plug icon located in taskbar. To launch the GUI, double click the plug icon or choose "Open Moni-tor" by clicking right button of the mouse. Refer to below diagram. Or, use the Start Menu method; Start>>All Programs>>ViewPower Pro>>ViewPower Pro.



ViewPower Pro icon

Start Monitor

This software will be automatically activated when installing it as service application. At this time, users can remote monitor UPSs through web browser even though users do not login in operation system.

If service application can not be registered successfully, when starting up tray service, it will automatically activate monitoring application. If it's failed or stopped manually, simply click "Start Monitor" to activate it. "Start Monitor" will check if monitoring application is registered as service application. If it's successfully, this software will be activated from service mode. If not, this software will be activated as monitoring mode. Users can identify the application mode from tray icon as below:

- Monitoring application is not activated successfully:
- Monitoring application is activated as service mode: 6
- Monitoring application is activated as monitoring mode:

Stop Monitor

Click "Stop Monitor" to stop monitoring application.

SNMP Manager

SNMP Manager is a plugin utility for ViewPower Pro to search and operate all SNMP devices in the LAN. Click the "SNMP Manager" to access SNMP management tool. It has four sections as marked in the illustration below:

System Settings Language Help A IP addroos MAC addroos 192.160.107.79 00-00-5E-00-10-23 IP address 192.168.107.79
192.160.107.79 00-00-5E-00-10-23
B SNMP status: 1 SNMP reset enable Recet Use system time: 00/17/2012 14:34:53 Apply 192.168.107 Sca Add Del Del Del Del Del Del Del Del

- A. Function menu offers toolset for setting SNMP devices.
- B. SNMP device list can list down all SNMP devices with IP address.
- C. Configuration area includes IP settings, online upgrade, password management, and static trap address.
- D. Output window displays all messages for operations

SNMP Device List

The default value in window list would be current PC IP address. For example, if IP address of current PC is "192.168.102.10", it will display "192.168.102" in list when first enabling SNMP Manager.

Default Configuration

The SNMP web manager is default applied static IP address as 192.168.102.230, default subnet mask as 255.255.255.0, and default gateway as 192.168.102.1. Users can modify IP address or apply DHCP mode through web server of SNMP web pro card, SSH Client or SNMP Web Manager. Default password: 12345678.

Scan

You may enter specific IP address and then click "Scan" button to search.

Add

Click "Add" button and it will pop up a window to ask for entering specific IP address. Then, click "Apply" button to add IP address (Subnet).

m Settings Language Hel	MAC address	Basic Info IP settings Online upgrade System manager Static trap address
2.168.107.79	00-00-5E-00-10-23	IP address 192.168.107.79 MAC address 00-00-5E-00-10-23
	SNMP reset enable Reset	Please enter the IP address. 192.168.103 Apply Cancel
192.168.107	Scan Add Del	Output window- [15.10.38] 192.168.107.79 Online successfully.

Delete

You may select IP address from the list and remove it by clicking "Del" button.

SNMP Status

It will display SNNP status, 0 or 1, after selecting IP from the IP list. If there is program inside of selected SNMP card, the status becomes 1. If not, it will display 0. If no IP address is selected, it will display "----" as default.

SNMP Web Manager		
System Settings Language Help		
	A	
IP address	MAC address	Basic Info IP settings Online upgrade System manager Static trap address
192.168.107.79	00-00-5E-00-10-23	
		IP address 192.168.107.79
		MAC address 00-00-5E-00-10-23
SNMP status: 1	SNMP reset enable Reset	
Use system time: 08/17/20		
Coe ofoten ante, Our mai	TE INTERIA [OPPIT]	
192 168 107	Scan	- Output window-
192.168.103		[15:10:38] 192.168.107.79 Online successfully
	Add	[15:12:03] 192.168.107.79 Online successfully.
	Del	

Reset

If it is required to restart the IP addresses of devices, please select the checkbox of "SNMP reset enable" and click "Reset" button. Then, if login is confirmed, you can restart the device. Steps are as follows:

Step 1: Select IP address needed to restart IP from the list. Then, "SNMP reset enable" will become available to select.

IP address	MAC address	Basic Info	IP settings	Online upgrade	System manager	Static trap address
SNMP status: 1 Use system time: 00/	00 00 6E 00 10 23		ess 192.16			
192.168.107 192.168.103	Scan Add Dvl			Online successfully		

Step 2: Click checkbox of "SNMP reset enable". Then, "Reset" button will become available to click.

IP address	MAC address	Basic Info IP settings Online upgrade System manager Static trap address
2.168.107.79	00-00-5E-00-10-23	in settings Online opgrade System manager Otatic tap address
SNMP status: 1	SNMP reset enable Reset	IP address 192.160.107.79 MAC address 00 00 6E 00 10 23
Uce system time: 08/ 192168107 192.168.103	Cean Add Del	Output window [16:10:38] 192:168:107.79 Online successfully. [15:12:03] 192:168:107:79 Online successfully.

Step 3: Click "Reset" button and it will pop up a message to confirm this operation.

2.168.107.79 00	00 5E 00 10 23	Dasic Info IP settings Online upgrade System manager Static trap address IP address 192.168.107.79
		MAC address 00-00-5E-00-10-23
	Confir	rm 🛛 🔀
	Are yo	ou sure to operate? 192.168.107.79
SNMP status: 1 🗸 S	INMP reset enable Rese	
Use system time: 00/17/2012	15:14:00 toolu	Yes No
Ose system time: 001772012	татчоа Арру	
192.160.107		- Output window-
192.168.103	Scan	[15:10.38] 192.168.107.79 Online successfully.
152.100.105	Add	[15.10.35] 192.168.107.79 Online successfully.
	Del	
	Det	
	Del	

Step 4: If "Yes" is selected, it's requested to log in first. If "No" is selected, it will stop this operation.

IP address	MAC address	Basic Info	IP settings	Online upgrade	System manager	Static trap address
2.168.107.79	00-00-5E-00-10-23	IP addi MAC addi		8 107 79 5E-00-10-23		
SNMP status: 1 Use system time: 09	SNMP reset enable Res 917/72012 16:14:36 Apply	Please login f	ancel			
192.168.107 192.160.103	Scan Add Del	[15:12:03] 19	2 168 107 79	Online successfully Online successfully Wrong password e		to logon.

Step 5: Enter the correct password and click "Login" button. The target device will be restarted.

Note: If changing the MAC address of current device before reboot and the current device is applying DHCP (Automatically obtain IP address) method, you need to manually click "Scan" button to scan.

Use system time

If "Use system time" is selected, the SNMP card will apply PC system time.

IP address	MAC address	Basic Info IP settings Online upgrade System manager Static trap address
92.168.107.79 SNMP status: 1	00-00-5E-00-10-23	IP address 192.188.107.79 MAC address 00-00-5E-00-10-23
192.168.107	Scan Add Del	-Output window [14:33:39] 192.168.107.79 Online successfully.

Function Menu

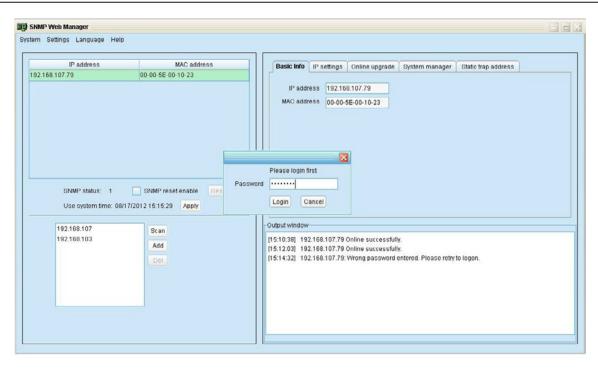
System

Login

It's necessary to verify ID to remote access SNMP devices. The default password is "12345678".

Step 1: Select System >> Login

Step 2: Enter default password and then click "Login" button. Or click "Cancel" to cancel login.



Logout

Clear all currently saved passwords.

Quit

Select "Quit" to exit SNMP Manager.

Settings

Basic Info

User can manually enter basic information of SNMP cards such as UPS name, Address, and Note for verification.

tem Settings Language Help		
IP address 92.168.107.79	MAC address 00-00-5E-00-10-23	Basic Info IP settings Online upgrade System manager Static trap address
SNMP status: 1 Use system time: 08/1 192.168.107 192.168.103	SNMP reset enable Reset 7/2012 15:16:51 Apply Scan Add Det	IP address 192.168.107.79 MAC address 00-00-5E-00-10-23 Output window [15:10:38] 192.168.107.79 Online successfully. [15:10:38] 192.168.107.79 Online successfully. [15:10:38] 192.168.107.79 Online successfully. [15:14:32] 192.168.107.79. Wrong password entered. Please retry to logon.

IP Setting

IP address 92.168.107.114	MAC address 00-00-10-41-38-09	Basic Info	IP settings	Online upgrade	System management	Static trap address
92.168.107.117	60-19-29-FF-FF-11	MAC	address	0-00-10-41-38-09]	
SNMP status: 1	SNMP reset enable Foset	Sul	Use a Use a address	natically obtain IP ac a static IP address 192.168.107.114 255.255.255.0 192.168.107.254 Apply]]	A
Use system time: 0	17/07/2014 16:58:47 Apply		DNS		Apply	В
192168104 192168107	Scan Add Del	-Output window		4 Online successful	Υ.	

Part A: There are two methods to obtain IP address.

• Automatically obtain IP address (DHCP)

It will allow system to automatically obtain IP addresses. If there is no this kind of service provided in LAN, the default IP will display as "192.168.102.230", Subnet mask as "255.255.255.0" and default gateway as "0.0.0.0". Simply click "Apply" button to apply this change.

• Use a static IP address

It will allow users to enter static IP address for SNMP devices. When entering IP address, Subnet mask, and gateway address, simply click "Apply" button to apply this change.

Part B: Enter the DNS and click "Apply" button

Online upgrade

IP address	MAC address	Basic Info IP settings Online upgrade System manager Static trap address
92.168.107.140	00-05-CE-00-DB-06	Dasic inio in settings Chilline upgrade System manager Static trap address
		FTP server IP address 192,168,107.55
		Target file path Browse
		Upgrade the selected device
		O Upgrade all un-upgraded devices
		Force to upgrade all devices
		0%
SNMP status: 1	SNMP reset enable Reset	Upgrade
Use system time: 00	7/12/2013 11:52:43 Apply	
192.168.107	Scan	- Output window
192.168.104		[11:52:36] 192.168.107.140 Online successfully.
	Add	[11:52:36] 192:168.107.140 Online successfully.
	Del	[11:52:37] 192.168.107.140 Online successfully. [11:52:37] 192.168.107.140 Online successfully.
		[11:52:37] Open web server page.

There are three methods for online upgrade:

- Upgrade the selected devices: It will upgrade all SNMP devices listed in the IP list.
- Upgrade all unupgraded devices: It will only upgrade SNMP devices which are not using the latest version.
- Force to upgrade all devices: No matter what kinds of version are used for SNMP devices listed in the IP list, it will upgrade to the latest version for all SNMP devices.

Step 1: select the FTP server IP address.

NOTE: If applying upgrade for SNMP Web Server in LAN, FTP server IP address will be IP address of current PC in LAN. If applying upgrade for SNMP Web Server in specific networking, FTP server IP address will be IP address of current PC in Internet.

Step 2: Click "Browse" button to choose program file.

IP address	MAC address	Basic Info IP settings Online upgrade System manager Static trap address
68.107.140	00-05-CE-00-DB-06	Basic mut in settings online upgrune oystern manager otatic trap autoress
		FTP server IP address 192 168 107 55
		Target file path DISNMP Card Develop/0201-07 S19 Browse
		Upgrade the selected device
		Upgrade all un-upgraded devices
		O Force to upgrade all devices
		0%
		0.00
	_	Upgrade Cancel
SNMP status: 1	SNMP reset enable Reset	
Use system time: 0	7/12/2013 11:47:16 Apply	
192.168.107 192.168.104	Scan	Output window
192.100.104	Add	[11:46:26] 192.168.107.140 Online successfully. [11:46:27] 192.168.107.140 Online successfully.
	Del	[11:46:30] 192.168.107.140 Online successfully.
	Constrained and the second sec	[11:46:30] 192.168.107.140 Online successfully.
		[11:46:30] Open web server page.
		(11:46:30) Open web server page.
		[11,46:30] Open web server page.
		[11,46:30] Open web server page.

Step 3: Click "Upgrade" button to execute upgrade action.

SNMP Web Manager		
System Settings Language Help		
IP address 192.168.107.140	MAC address 00-05-CE-00-DB-06	Basic Info IP settings Online upgrade System manager Static trap address
192,108,107,140	00-05-CE-00-DB-06	
		FTP server IP address 192168107.55
		Target file path D3SNMP Card Develop10201-07.S19 Browse
		Upgrade the selected device
		 Upgrade all un-upgraded devices
		Force to upgrade all devices
		72%
SNMP status: 1	SNMP reset enable Reset	Upgrade Cancel
Ose system time: 077	12/2013 11:49:54 Apply	
192.168.107	(Scan)	Output window
192.168.104	Add	[11:46:30] 192.168.107.140 Online successfully.
	Del	[11:46:30] Open web server page.
		[11:48:35] 192.168.107.140: Wrong password entered. Please retry to logon. [11:48:42] 192.168.107.140: Ready to upgrade for the 1 time.
		[11:49:01] 192.168.107.140: Upgrade fails. Start upgrade for the 2 time. [11:49:03] 192.168.107.140: Communication fails. Please check your network.
		[11:49.23] 192.168.107.140. Communication fails. Please check your network.
		[11:49:42] 192.168.107.140: Ready to upgrade for the 1 time.
		[11:49:42] 192.168.107.140: Start formatting. [11:49:47] 192.168.107.140: Formatting is completed.
		[11:49:47] 192.168.107.140: Upgrading files. Please wait.
		· · · · · · · · · · · · · · · · · · ·
L		

Step 4: When upgrade is complete, you may check the message in output window.

IP address	MAC address	Basic Info IP settings Online upgrade System manager Static trap address	
2.168.107.140	00-05-CE-00-DB-06	Basic into in settings Online upgrave System manager Static trap address	
		FTP server IP address 192168107.55	
		FTP server IP address 192168.107.55	
		Target file path D1SNMP Card Develop\0201-07.S19 Browse	
		 Upgrade the selected device 	
		Upgrade all un-upgraded devices	
		Force to upgrade all devices	
		100%	
		100%	
	_	Upgrade Cancel	
SNMP status: 1	SNMP reset enable Reset	Upgrade Cancel	
	SNMP reset enable Reset	Upgrade Cancel	
	7/12/2013 11:50:16 Apply	Output window	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window (11:46:30) Open web server page. (11:48:35) 192.168:107.140; Wrong password entered. Please retry to logon. (11:48:21) 192.168:107.140; Wrong password entered. Please retry to logon.	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window [11:45:30] Open web server page. [11:45:35] 192.168.107.140. Wrong password entered. Please retry to logon. [11:48:42] 192.168.107.140. Ready to upgrade for the 1 time. [11:49.11] 192.168.107.140. Ready to upgrade for the 1 time.	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window [11:46:30] Open web server page. [11:46:31] Open Sel 107:140. Wrong password entered. Please retry to logon. [11:48:42] 192:168:107.140. Ready to upgrade for the 1 time. [11:49:01] 192:168:107.140. Upgrade fails. Start upgrade for the 2 time. [11:49:01] 192:168:107.140. Upgrade fails. Start upgrade for the 2 time. [11:49:01] 192:168:107.140. Upmanunciation fails. Please check your network.	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window [11:45:30] Open web server page. [11:45:35] 192.168.107.140. Wrong password entered. Please retry to logon. [11:48:42] 192.168.107.140. Ready to upgrade for the 1 time. [11:49.11] 192.168.107.140. Ready to upgrade for the 1 time.	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window [11:46:30] Open web server page. [11:46:31] Open Sel 107:140. Wrong password entered. Please retry to logon. [11:48:42] 192:168:107:140. Wrong password entered. Please retry to logon. [11:48:42] 192:168:107:140. Wrong password entered. Please retry to logon. [11:48:42] 192:168:107:140. Communication fails. Please check your network. [11:49:03] 192:168:107:140. Communication fails. Please check your network. [11:49:23] 192:168:107:140. Communication fails. Please check your network. [11:49:42] 192:168:107:140. Ready to upgrade for the 1 time. [11:49:42] 192:168:107:140. Ready to upgrade for the 1 time. [11:49:42] 192:168:107:140. Ready to upgrade for the 1 time. [11:49:42] 192:168:107:140. Ready to upgrade for the 1 time. [11:49:42] 192:168:107:140. Ready to upgrade for the 1 time. [11:49:42] 192:168:107:140. Ready to upgrade for the 1 time.	
Use system time: 07	7/12/2013 11:50:16 Apply	Output window [11:46:30] Open web server page. [11:46:35] 192.168.107.140. Wrong password entered. Please retry to logon. [11:48:42] 192.168.107.140. Ready to upgrade for the 1 time. [11:49.10] 192.168.107.140. Ready to upgrade for the 2 time. [11:49.10] 192.168.107.140. Communication fails. Please check your network. [11:49.23] 192.168.107.140. Communication fails. Please check your network. [11:49.24] 192.168.107.140. Communication fails. Please check your network. [11:49.24] 192.168.107.140. Communication fails. Please check your network. [11:49.24] 192.168.107.140. Communication fails. Please check your network.	

Note: If abnormal situation occurs during upgrade process, the system will automatically restart the upgrade operation. If this interruption occurs five times, then, system will automatically stop this operation. At this time, please check if LAN is working well.

System management

IP address	MAC address	Basic Info	IP settings	Online upgrade	System manager	Static trap address
SNMP status: 1 Use system time. 01	00-00-5E-00-10-23	-Version a Version: Encrypt Proving:	V2 None		- Password Old pass New pass Confirm pass	word
192.168.107 192.168.103	Scan Add Dei	(15:12:03) 19 (15:14:32) 19 (15:19:15) W (15:19:15) 0 (15:19:57) 19	12 168 107 79 12 168 107 79 12 168 107 79 12 168 107 79 10 168 107 79 12 168 107 79 12 168 107 79	d entered. Please ess Online successfult Online successfult	y. entered. Please retry retry to logon. y.	to logon.

Part A: You can set SNMP protocol version for selected or all devices. Simply choose SNMP protocol version first. The default setting is V2. If choosing V3, it's also necessary to set encrypt. Select devices to apply this setting.

- Select device: Set SNMP protocol version for selected SNMP devices from device list.
- Select all: Set SNMP protocol version for all SNMP devices from device list.

Then, click "Apply" button to complete version setting.

Part B: You may modify single password for one SNMP device or all passwords for all SNMP devices. Please enter original password, new password and reenter new password. Select devices to apply this setting.

- Select device: Choose to change password for selected SNMP device from device list.
- Select all: Choose to change passwords for all SNMP devices on the window list

Then, click "Apply" button to change password.

Note: The length of password is 8~15 digits. If this change is applied for all SNMP devices, the password will be consistent for all SNMP devices.

Static trap address

You may configure two static trap addresses and change trap port in SNMP Manager. The default trap port is 162.

	lem management Static trap address		MAC address 00-00-10-41-38-09	IP address 32.168.107.114
Apply]	Trap com. Communication port 162	Prap IP Address IP address 1 192.168.107.123 IP address 2 192.168.103.24 © Salect device A Apply	80-18-29-FF-FF-11 80-18-29-FF-FF-11 SNMP reset enable Root 7/07/2014 16:59:41 Apply	2168.107.117 SINMP ctatus: 1 Use system time: 0
		-Output window [16:58:30] 192:168:107.114 Online successfully, [17:00:30] 192:168:107.114 Online successfully, [17:01:42] 192:168:107.114 Online successfully [17:03:42] 192:168:107.114 Online successfully	Scan Add Dui	192.168.104 192.168.107

Note: This software allows SNMP device to send trap messages to 2 static trap addresses and 8 dynamic trap addresses. It will default define host computer with software installed as a dynamic trap address. If communication failure occurs between SNMP card and host computer for over 10 minutes, it will stop sending trap message.

Language

- SNMP Manager offers 12 languages:
- Chinese(Simplified)
- Chinese(Traditional)
- English
- German
- Italian
- Polish
- Portuguese
- Russian
- Spanish
- Turkish
- Ukrainian
- French

The default language setting is "English".

Configuration

6 Configuration		
Protocol	💿 Http 🔵 Https	А
Web service port	15178]
Web service shutdown port	8005] B
AJP port	8009	
Service startup type: Aut When the exit tray, and start 		c
Specify the URL for update file	es re-download.com/	/update/viewpowerpro/update.zip
Save files	to C:\Program Files\V	/iewPowerPro1.13\UpgradeFiles Browse
Online auto-update Apply the proxy configura	tion	D
IP Port		
Enable authentica		
Usernar		
Passwo		
Connection test		
		(Apply) Cance

Https/Http

Communication protocol: If choosing Https, "Https" selection will be accessible from tray menu. If communication port of Https is fixed in "18443", it's not allowed to use "port modification". At the same time, the URL of monitoring screen will become:

https://xxx.xxx.xxx:18443/ViewPowerPro

If choosing Http, "Https" selection will not be accessible and "port modification" function will become active status.

Port Modification

If port conflict occurs, you may modify value of port. The default setting for port is listed as below:

- Web Service port: 15178
- Web service shutdown port: 8005
- AJP port: 8009

You may modify the value of port to any number between 0 and 65536. If value is applied already, the system will remind users to enter another number again.

Note 1: Please do not modify port value unless port conflict occurs. This modification will affect remote monitoring website. For example, if changing web service port to 15177, then the remote monitoring website will change to

http://xxx.xxx.xxx.15177/ViewPowerPro

Note 2: To avoid possible conflicts, please be sure to enter value at least 4 digits.

ViewPower Pro Start and Exit Setting

- Server startup type: If "Auto" is selected, the software will automatically start up when PC is turned on. If "Manually" is selected, users have to manually start the ViewPower Pro software.
- Exit to stop monitoring: If selected, it will completely exit software without monitoring service. If unselected, it will continue monitoring service in the back end even though exit from software.

Software Upgrades

- Specify the URL for update files: This is the directory to online update software. Please do not change it unless it's instructed by software vendor.
- Save files to: The directory to save files.
- Online autoupdate: If selected, it will automatically check if there is any new version launched online every 1 hour.
- If applying online upgrade, please follow below for configuration:
 - 1. Select "Apply the proxy configuration";
 - 2. Enter IP address and port of server;
 - 3. If ID identification is requested, select "Enable authentication" and enter User Name and Password.
- Connection test: Click this button to test if all configurations are set up well.

Configuration Saved

Click "Apply" button to save all changes in Configuration page. Click "Cancel" to stop the change.

Https

Https section includes "Certificate Generation" and "Import Certificate".

• Certificate Generation: it will automatically generate a numeral certificate according to the information users enter.

🍠 Generate certificate	
First and last name	
Organizational unit	
Organization	
City or Locality	
State or Province	
Two-letter country code for this unit	
Password	
	Apply Cancel

Note 1: Please enter internet domain name and IP address in "First and last name" column. **Note 2:** Password should be at least 6 characters in length.

• Import Certificate: It will import a https certificate from a third party. It supports JKS and PCKS12 types of certificate.

🎒 Import certific	cate	
Path		Browse
Туре	JKS	
Password		
		Apply Cancel

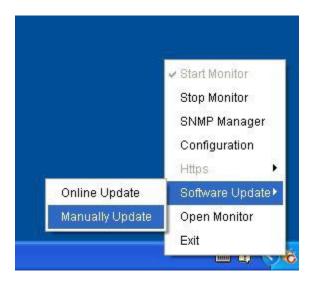
Software Update

Software update includes Online Update and Manually Update:

• Online Update: Click "Online Update" to search the latest software version. If there is new version detected, it will automatically download and update.



- Manually Update: Users can manually update the software. Follow below steps
 - 1: Click "Manually Update" from function menu.



2: Click "Browse" to choose file directory. And then click "Upgrade" to upgrade software.

🍯 Manually Update		
Please select your file.	ia\My Documents\Storm\update.zip	Browse
	Prepare for upgrade	Upgrade

Open Monitor

Click "Open Monitor" to open monitoring webpage.

Exit

Click "Exit" to exit service application.

ViewPower Pro GUI

ViewPower Pro GUI includes function menu, shortcut button, login section and main screen.

Configuration Schedule View Format Language Hel	P A User type:	Guest Login B
🛒 🛐 🙁 🐒 🕤	c	Graphic view List view
Unassigned		D
(192168.103.166_SNMPP01_000000000000)	null(192.168.103.165_SNMPP01_000000000000)	null(192.168.103.164_SNMPP02_0000000000000000000000000000000000
UPS information: In mode Input information: 238.3V/50.0Hz Output information: 229.8V/50.0Hz Battery information: 41.0V/100%	Disconnected 📀	Disconnected 📀
null(192.168.103.163_SNMPP01_000000000003)	null(192.168.103.162_SNMPP00_000000000000000000000000000000000	null(192.168.103.161_SNMPP03_0000000000000000000000000000000000
Disconnected 🔞	Disconnected 📀	Disconnected 📀

- A. Function Menu: It offers complete toolset for navigation and setting the GUI.
- B. Login section: It shows user type for current login user.
- C. Shortcut button
 - Centralized monitoring.
 - Password, group area, UPS setting, SMS, Email, load configuration, event action, log setting, EMD manager, modbus communication setting.
 - Scheduled on/off, scheduled battery selftest, and scheduled wakeonLAN setting.
 - Event log, event statistics, data, diagram, and EMD log.
 - Refresh.
- D. Main Screen: It will display information and/or control alternatives according to function menu or shortcut menu selected.

ViewPower Pro Menu

Configuration

Password Setting

It's password configuration for administrator only. The default user name and password is "administrator". Before operating and configuring the software, please login and modify the default password first for security concern. Users can only browse UPS status and information as Guest status without login as an Administrator. Guest can NOT control or execute any setting.

Step 1 Select Configuration>>Password.

	uage Help		User ty	/pe: Administrator Logout	
🔄 😭 🙂 👔 🔍					
word Group area UPS setting SMS E-	mail Load configuration	Event action Log Setting	EMD Manager	ModBus communication setting	SNMP Manager
	Administrator				
Old password +					
New password +					
Confirm password =					
	Apply Reset				

Step 2 Enter old password and type twice new password to modify password for administrator. (The password should be at least 6 digits) Then click "Apply" button to successfully modify password for administrator.

Note 1: Simply click "Login" button on the top right corner to log in the software.

Note 2: If password is forgotten, it's necessary to reinstall the software.

Group area

Select Configuration>>group area, user can assign monitored UPSs into different groups for best management. ViewPower Pro has a default group called "Unassigned". When a UPS is detected, it will automatically put in the "Unassigned" group. Users are able to not only create and customize groups here, but also assign groups in "UPS setting".

Configuration	Schedule V	liew Format	Language	Help			U	iser type:	Administrator	Logou	t	
	9 🐞											
Password (Group area UP	s setting SMS	E-mail	Load configuration Even	t action	Log Setting	EMD Manag	er Mod	dBus communi	cation setting	SNMP Manager	
Group Name	Background ima	Note										
Unassigned	world.jpg	other		**	hisma	Unassigned						
				Background		world.jpg		Colort	Controlar			
				Background				Select	Customize			
		A			Note	other					8	
						Clear	d Modify	Delet				
				Maximum r	umbers f	or a device group	15	Apply	a'			
											c	

Section A Group list: Shows group information;

Section B Group editor: add/delete, set up and modify group;

• Background image: Click "Customize" button to import preferred image into software as background for graphic view. Or users can simply select preferred photos from default image database by clicking "Select"

button.

- Add group: Add group into group list in section B. Then click "Add" button to add.
- Modify group: Select a group from the list in section A to modify the current setting and it will show the current setting in section B directly. After entering new data, simply click "Modify" button to update setting.
- Delete group: Select the group which needs to delete from the list on section A. Then click "delete" button to delete.

Note 1: Default group can only be modified, NOT allow to delete.

Note 2: When "Add" button is disabled, first execute "Clear" operation.

Section C Maximum numbers for a device group: It means maximum numbers will be shown in each group.

UPS setting

Select Configuration >> UPS setting. It helps users to assign or reassign groups for monitored UPSs. When a new UPS is detected, it will automatically put in default group "Unassigned".

ssword Group area	UPS setting SMS E-r	mail Load configuration	Event action Log Set	ting EMD Manager Mo	dBus communication setting	SNMP Manager
Group area	• Port	UPS	name	Browse		
Device ID	Protocol	Port	Group area	UPS name	Address	Note
000000000000000000000000000000000000000	SNMPP01	192.168.107.230	Unassigned	UPS1	F1	TEST
0000000000000	SNMPP01	192.168.103.96	Unassigned			

Query

User can query information according to the Group area, Port, UPS name by clicking each column tab.

Modify

Select UPS that need to modify from the list and click "Modify" button for modification. It will pop up information board of each monitored UPS and users can assign or reassign UPSs to group area. It also can enter the UPS location and name here for internal reference. Click "Apply" button to save all changes.

sseord Group area	UPS setting SMD 6	man Lee		Event action 1 to Setting EMD Managar	communication setting	
Group area	• Port		Device ID Protocol			
awice ID	Protocol	Port			Address	Note
NNCE 1D	SNMPP01	192.1	Group area	Unassigned *	F1	TEST
0000000000000	SNMPP01	192.1	UPS name		**	1031
				F2		
			Note	TEST		
				Apply Cancel		

Delete

Select UPS and click "Delete" button to remove it from the list.

SMS

It's for entering SMS receiver list. In the event of an alarm condition occurring, a message about UPS status will be sent to the specified users via mobile phone. For the event receiving list, please configure in "Event Action" page.

1. Choose Configuration >> SMS.

Configuration		Language Help			User	type: Administrator Logou	t	
ssword	Oroup area UPS setting SMS	E-mail Load conf	iguration Event acti	on Log Setting	EMD Manager	ModBus communication setting	Graphic view SNMP Manager	
Com. port Baud rate Note:	Com. port setting COM3 • 1280 • Click 'Test' button to check if the transmission is successfully Test	Receivers list	Receivers 123546784564					
		Phone No.	Add Delete					
								Арр

- 2. Select communication port and baud rate.
- 3. Enter mobile phone numbers in "Phone no." column and click "Add" button to add phone no. in Receivers List. To delete numbers, simply select phone no. from "Receivers list" and click "Delete".
- 4. Click "Apply" button to save all changes. The "Test" button can be used to send tests SMS to confirm the correct operation. If all parameters are set up correctly, system will send a test message to all receivers and pop up a successful message. Otherwise, it will pop up a failure dialog to indicate there is an error for parameter setting.

Note: It's required to plugin GSM Modem if sending SMS to mobile phones.

Email

This feature enables the configuration to send alarm mail by SMTP server. For the event receiving list, please configure in "Event Action" page. To use this function, the email service must be correctly configured in the computer. All values in this function page are default empty. This action can't be executed without the SMTP information, email account and password. Besides, the sender account should be allowed for SMTP/POP3 forwarding.

Select Configuration >> Email.

ssword Gr			og Setting EMD Manager	ModBus communication setting	SNMP Manager
SMTP server	SMTP server setting smtp.test.com Port 25	Receivers list	jiayi@163.com		
	Exchange server				
	Apply				
Send from	account@test.com				
User name	account				
	Password Authentication needed	E-mail			
Password			Add Delete		
Note	Click "Test" button to check if the transmission is successfully				
	Test				
	Test				

- 1. Enter SMTP server, SMTP port, Send from Email address, User name and password. Click checkbox of password authentication needed for password verify. If using Exchange Server for mailbox system, it's required to configure Exchange server domain name in SMTP sever and select "Exchange server". Then, click "Apply" button.
- 2. Enter correct email accounts in Email column. Then click "Add" to add into receivers list. To delete email account, simply select accounts from Receivers list and click "Delete" button.
- 3. Click "Apply" to save all changes. The "Test" button can be used to send a test email to all receivers to confirm correct operation. When the test emails are successfully sent to specific recipients, it will pop up a successful message on operated PC. Otherwise, it will pop up a failure dialog to indicate there is an error for parameter setting.

Load configuration

Load configuration can remotely manage other computers via intranet or internet. It can set up remote computers in poweroff options, MAC address, execute file action, whether accept scheduled UPS shutdown or not, waiting time for load shutdown and so on. In addition, it also allows one computer to communicate with multiple UPSs. When any event occurs on UPS, the software can configure reactions of the monitored UPS via communicated computer.

1. Select Configuration>>load configuration.

ssword Group a	rea UPS setting	SMS E-mail Los	d configuration Event	action Log Setting	EMD Manager M	AodBus communication s	etting SNMP Manag	let
IP All	· Browse							
-		-						
P address of load	wake on LAN	Power-off option	On shutdown execute f	Waiting time for load s	Scheduled shutdown	Execute file	Selected UPSs	Note
92.168.107.10	No	Shutdown		1	No	c//windows/notepad.e	UP\$1(192.168.107.230	

2. Add: Add load information (one computer) by clicking "Add" button.

Configuration Sche	edule View Format			Logout
		IP address of load		
	1	MAC address :	70-5A-86-54-77-1E Auto match	
Password Group an	ea UPS setting SM	5	Accepts wake on LAN when events occur	on setting SNMP Manager
P All	· Browse	Power-off option	 Shutdown Sleep mode 	
		On shutdown execute file	notepad.exe	
tP address of load	wake on LAN	Waiting time for load shutdown	1 Min	Selected UPSs Note
	No	<u>1</u>	✓ Accepts scheduled UPS shutdown	el.e UP51(192.168.107.230
		Execute file	c//windows/notepad.exe	
		Selected UPSs	UPS	
			UP51(192.168.107.230_P01_0000000000000)	
			UPS2(192168.103.96_P01_0000000000000000000000000000000000	
		Note	shutdown UPS	
-			Apply Cancel	Add Modify Delete Export
			(hyper)	(and (many) (bente) (beaut

- Enter the IP address of this computer. Then, enter MAC address of this computer. Users also can get MAC address by clicking "Auto match" button when the connection is well.
 - Poweroff option: Selecting poweroff method for above shutdown system.
 - » Shutdown: When clicking the checkbox, the selected system will shut down. The default setting is clicked.
 - » Sleep mode: When clicking the checkbox, selected system will suspend the system instead of a normal shutdown. But this function is only supported by Windows 2000 or higher on supported hardware.
- On shutdown execute file: Enter the path of execute file.
- Waiting time for load shutdown: If selecting "Accepts scheduled UPS shutdown", enter to waiting time for load shutdown before shutting down UPS.
- Selected UPS: Select UPSs to execute shutdown action when entered PC is shut down.

Click "Apply" button to save all changes.

- 3. Modify: Select one from list to modify configuration by clicking "Modify" button. User can also click "Delete" button to delete this information.
- 4. Export: Users can export load setting table in PDF format by clicking "Export" button.

Note: User need to install the "Shutdown Wizard", then load can be shutdown.

Event action

It is to set up reactions after events occur. Select Configuration>>Event action.

rd Group area UPS setting S	MS E-mail Load configuration	Event action Log Setting EMI	D Manager ModBus communication setting SNMP Manager
el All VPS Select	A -	Send by	🗹 wake on LAN 🗹 Execute file
AC failure	Type Input event		V Event record V Audible alarm
AC recovery	Input event B	c	✓ Load shutdown ✓ Warning dialog(local)
Neutral not connected	Input event		✓ UPS shutdown
Site fault	Input event		
Phase sequence incorrect	Input event	Alarm file	buzzer.wav Select Customize
AVR is activated	Input event	Waiting time for load shutdown	2 Min
On bypass	Bypass event		✓ Load shutdown reminder
Phase sequence incorrect in bypass	Bypass event	Pop-up dialog before shutdown	60 🛕 Sec.
Input frequency unstable in bypass	Bypass event	Warning dialog interval	
P1 outlet power on	UPS internal event		
P1 outlet power off	UPS internal event		2 Min
Fan alarm	UPS internal event	Phone No.	
EPO enabled	UPS internal event		
Unable to turn on UPS	UPS internal event		
Over temperature alarm	UPS internal event	52.000	
UPS fault	UPS internal event	E-mail	
Charger alarm	UPS internal event		
Remote auto shutdown	UPS internal event		
L1 input fuse not working	UPS internal event		
L2 input fuse not working	UPS internal event		🗹 Edit E-mail
Control of a second	A 2010 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E-mail header	

Section A: List all detected UPSs. The system default is all UPSs.

Section B: UPS event list.

Section C: Event action editor

Select UPS from section A and then select event from section B. When selecting event, it's necessary to set up at least one reaction from section C. Click "Apply" button to save setting. This software provides seven reactions for UPS events.

- Wake on LAN: It is a technology to remotely wake up one computer by a network message. It is also required to have ATX power and hardware support for remote PCs to implement this function. When event occurs, this software will wake up PC by clicking this checkbox.
- Execute file: When event occurs, it will request connected computer to execute file.
- Event record: When event occurs, it will save the event records to the database.
- Audible alarm: When event occurs, it will play selected media file. If user wants to use customized sound, it's necessary to import media file into software by clicking "Customize" button. And then, select this imported media file by clicking "Select" button.
- Load shutdown: When event occurs, it will notify Shutdown wizard on remote PCs to shut down computer.
- Warning dialog (local): When event occurs, it will pop up message box to notify users.
- SMS: When event occurs, it will send event message to receivers via mobile phone.
- Email: When event occurs, it will send mail to receivers via email. And you can edit Email.
- UPS shutdown: When event occurs, it will shut down the UPS.

Note 1: When editing receiver list in SMS or email columns, it's necessary to refresh the event action page to update receiver list.

Note 2: Event list will be different according to different types of UPS.

Log setting

- Refresh frequency: The setting range for "Refresh frequency" is 2~600 seconds. It will affect the displayed data refreshed in software screen.
- Record interval: Users can set up "Record Interval", "The max. Numbers of logs for historical data" and "The max. Numbers of logs for historical events" according to real situation.
- The setting range for "Record interval" is 30~600 seconds. It will effect history data displayed under View >> History >>Data.
- 1. Select configuration>>Log setting.

Configuration Sc	hedule View	Format	Language	Нер			User	type: Administrator Logou	1	
9 🛐 🥹	1)								
Password Group	area UPS sett	ing SMS	E-mail	Load configuration	Event action	Log Setting	EMD Manager	ModBus communication setting	SNMP Manager	
Refresh frequency Record interval		ε.								
									A	Default

- 2. Enter time interval and click "Apply" button to save all settings.
- 3. Click "Default" button to recover the default setting.

EMD Manager

EMD Manager is used to manage Environmental Monitoring Devices. Users can define events and set message texts for each event. It also can set up warning points for temperature, humidity and smoke of devices.

• Dry contact event: Users can define events and set event level. After event is successfully added, users can configure and set alarm.

	n 0	chedule View Format		Help		type: Administrator Logo ModBus communication setting	
		Dry contact configuration	n Alarm Settin	gs			
Level	Default dry	Text Message					
^	None	temprature high		Text Message			
				Level	○ ● ○ 🛕 ○ 💿		
				Default dry contact	Nane Clear Add Modify		

- » Text Message: The description of the dry contact event.
- » Default dry Contact: Define dry contact no. to send event message. There are five selections: none, 1, 2, 3 and 4. If selecting any value from 1 to 4, any environmental monitoring device (EMD) which is detected defined event will send event message. If selecting none, it means this event is defined as special event. Then, users can assign specific environmental monitoring device (EMD) to receive this event message. Please refer this special event setting in "Dry contact configuration" section.
- Dry contact configuration: Users can define special events with assigned dry contact no. for specific environmental monitoring device (EMD). If any defined event is detected by assigned device via assigned dry contact no., it will send alarm message via software.

Password Group	hedule View Format Language area UPS setting SMS E-mail Dry contact configuration Alarm S	Load configuration Event action Log Setting EMD Manager ModBus communication setting SNMP Manager
UPS 192.168.107.230	Dry Co Text Message 1 temprature high 4 4 4 4 4 4 4 4 4 4 4 4 4	UPS 192.168.187.239 • Dry Contact 1 • Text Message Please select Clear Add Modify Delete

• Alarm Settings: Set up alarm range for temperature and humidity. If detected figures are out of setting range, it will send alarm message.

Configuration Schedule View Format Language He	elp User type: Administrator Logout
🛒 🖙 🙁 🐒 😒	
Password Group area UPS setting SMS E-mail Loa	ad configuration Event action Log Setting EMD Manager ModBus communication setting SNMP Manager
Dry contact event Dry contact configuration Alarm Settings	
EMD alarming temperature range	EMD alarming humidity range
Upper limit 1 🗘 Apply	Upper limit 1 Apply
Lower limit 0 Apply	Lower limit 0 - Apply

Modbus communication setting

It will display all connected PCs through ModBus.

Step 1 Select configuration>> ModBus Communication Setting.

Configuration	on Schedule View Format Language Help. User type: Administrator Logout
7	🕘 🤹 👟 Complication (Littation)
Password	Group area UPS setting SMS E-mail Load configuration Event action Log Setting EMD Manager ModBus communication setting SNMP Manager
	Modbus Setting
Port	COMD Refresh
Device ID	Select v
Baud rate	19280 •
Data Bit	
Stop Bit	2 .
Parity	NONE ·
	Apply

Step 2 Com. port setting:

- The default ID for nominated com. port is 0;
- Selectable baud rates are 1200, 2400, 4800, 9600, and 19200. The default setting is 19200;
- Selectable data bit is 7 and 8. The default setting is 8;
- Selectable stop bit is 1 and 2. The default setting is 1;
- Supported parity is ODD parity, event parity and NONE. The default setting is NONE.

Note: This function is only available for the UPS with ModBus communication port.

Schedule

Scheduled on/off

Scheduled UPS on/off can be executed once, daily, weekly. Users can select UPS and time parameters. It is recommended to set only one action in the same time. If multiple actions have been applied at the same time, some of these actions may be ignored. Any action will be ignored when the action is not supported by the UPS.

Step 1 Select "Schedule" >> Scheduled on/off.

chedul	ed on/off Schedules	d battery self-test	Wake on L/	AN schedule			
yde	UPS off	UPS on	Load shut	dow Operated UPS			
once	2012-09-14 13:02	2012-09-14 14:02	No	UPS1(192.168.107.230_P01_00000000000000)		Scheduled on/off setting	
Once	2012-09-14 13:02	2012-09-14 14:02	No	(192.168.103.96_P01_0000000000000)	IDS	Select	
					Power off at Power on at	Once Daily Weekly 2012-09-14 13 : 02 202-09-14 14 : 02 202 Load shutdown reminder	

Step 2 Set frequency and setting time on the right column.

Note: Please be aware following rules while setting time.

Once – Poweroff time should be earlier than poweron time.

Daily schedule – Poweroff time should be earlier than poweron time. Poweron time and poweroff time should be set on same day.

Weekly schedule – Poweroff time should be earlier than poweron time. Poweron time and poweroff time should be within the same week.

Step 3 Click "Add" to add task. If task is successfully set, it will display on the task table on the lefthand side. Select specific task and click "Delete" button to delete the task.

Note 1: If there are same plan in the same time, it will execute only one of them.

Note 2: If the UPS which accepts scheduled on/off setting is connecting with loads, it can also allow to set load shutdown reminder.

Scheduled battery selftest

Scheduled battery selftest can be executed once, daily, weekly, or monthly. Users can select UPS and time parameters. It is recommended to set only one action in the same time. If multiple actions have been applied at the same time, some of these actions may be ignored. Any action will be ignored when the action is not supported by the UPS.

Select Control >> Battery SelfTest.

rheduled on/off Sc	heduled battery s	self-test Wake on	LAN schedule		
Cycle Date Date 2012-09-15		Operate 10-second self-test	Operated UPS UP51(192.168.107.230_P01_000000000000		
2012-09-15	10:02	10-second self-test	(192168.10396,P01_0000000000000)	Date Start time Method	Scheduled battery self-test Scheduled battery self-test Once Daily Weekly Monthly 2012-09-15 10:02 Once Self-test Self-test Deep discharge test

- 1. Select method and time parameters. There are three selftest methods:
 - 10second selftest: Battery will discharge for 10 seconds.
 - Selftest: Users can set battery discharge time for selftest.
 - Deep test: This test will allow battery to discharge until low battery level.
- 2. Click "Add" to add task. If task is successfully added, it will display on the task table on the lefthand side. Select task from table list and click "Delete" button to delete the task.

Wake on LAN schedule

It supports wakeonLAN schedule for one or multiple computers at once, daily, and weekly frequency.

1. Select Schedule >> Wake on LAN schedule.

Scheduled	on/off Scheduled batte		on LAN schedule	
Cycle	Date 2012-09-15	Time 10:03	1P 192.168.107.10	Wake on LAN schedule IP Select Refresh Cycle Once Daily Weekly Monthly Date 2012-09-15 Time 10:03 Time

- 2. Select IP, Cycle, Date and Time, and then click "Add" button to add plan.
- 3. Select one plan from schedule list, and then click "Delete" to delete plan.

View

Centralized monitoring

It includes Text view and Graphic view. Users can exchange view mode by clicking "Text view" button and "Graphic view" button.

• Text view: Each UPS is displayed in the panel form and it shows UPS working status and data. Multiple UPSs will be displayed with multiple UPS panels.

Configuration Schedule View Format Language H	llp User type:	Guest Login Graphic view List view
(192168103166_SNMPP01_00000000000) UPS information: Question information: 238.3V/50.0Hz Output information: 229.8V/50.0Hz Battery information: 41.0V/100%	null(192.168.103.165.SNMPP01_000000000001)	null(192.168.103.164_SNIMPP02_0000000000000000000000000000000000
null(192.168.103.163_SNMPP01_000000000003)	null(192.168.103.162_SNMPP00_000000000000000000000000000000000	null(192.168.103.161_SNMPP03_0000000000000000000000000000000000
Disconnected 📀	Disconnected 📀	Disconnected 📀

• List view: It will show UPS working data and status in a table.

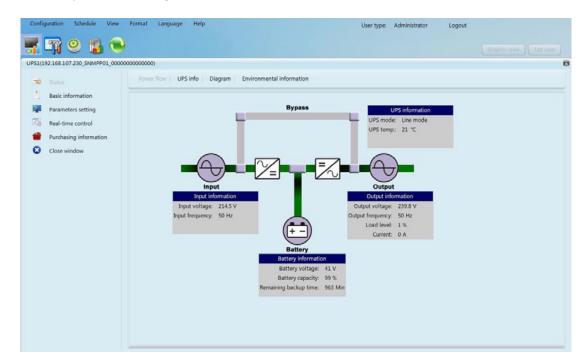
	Language Help			User type: G	uest Login	
📲 🏹 🧶 指 😒 Unassigned						Text view Graphic view
UPS	Connection status	UPS information	Input information	Output information	Bypass information	Battery information
UPS1(192.168.107.230_SNMPP01_0000000000000000000000000000000000	Connected	Standby mode	214.4V/50.0Hz	0V/0.0Hz		41.0V
(192.168.103.96_SNMPP01_00000000000000)	Connected	Line mode	220.0V/50.0Hz	229.8V/50.0Hz		81.2V

• Graphic view: Each UPS is displayed as a simple icon. It shows its status icon with background picture. To avoid any mistakes, it also supports security function. Only when user type is administrator, it's allowed to "unlock" these icons. Then, administrator can drag and drop the icon anywhere freely. The default setting is in "lock" status.





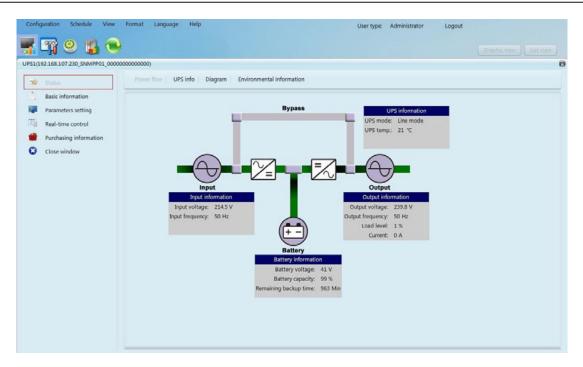
 UPS detail information: On the Text view mode, users can enter individual UPS monitoring interface by double clicking each UPS panel. On the Graphic view mode, users can enter individual UPS monitoring interface by double clicking each UPS icon.



Status

Power Flow

Select Status >> Power Flow. In the Power Flow window, it's shown the internal dynamic working flow of the UPS.

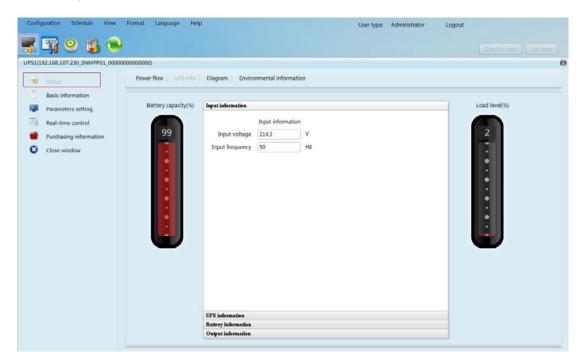


Green/black flow means working well. Grey bar means that the object is present but not in use at the moment. There are four information blocks to display details about input, output, UPS and battery information.

- Input information includes input voltage and input frequency.
- Output information includes output voltage, output frequency, load level, and output current.
- UPS information includes UPS operation mode and UPS temperature.
- Battery information includes battery voltage, battery capacity and remaining backup time.

UPS Info

Select Status >> UPS Info. In the "UPS Info" window, it's shown realtime monitored UPS data including input, output, UPS, and battery information in text and bar.



Diagram

Select View >> Status >> Diagram. Refer to Diagram 524.

In the Diagram window, it's shown realtime monitored UPS data including voltage, frequency, load, battery, temperature information in diagram.

Configuration Schedule View	Format Language	Help		User type:	Administrator	Logout		
🛒 🏹 😕 🏭 😒								
UPS1(192.168.107.230_SNMPP01_000000	00000000)						1	8
Status	Power flow UP		agram Environmental information					
Basic information		220						
Parameters setting	Input frequency	200						
Real-time control	Output voltage	180						
Purchasing information	Output frequency	160 140						
Close window	Current	€ 120						
	Load level	Voltage 100						
	Battery voltage	80 -						
	UPS temp.	60 - 40 - 20 - 0						
		•						

Environmental information

In the Environmental information window, it shows the current temperature and humidity.

Select Status >> Environmental information.

Configuration Schedule View For	rmat Language Help	User type: Administrator Logout	
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UPS1(192.168.107.230_SNMPP01_00000000	000000)		6
UPS1(192.168.107.230_SNMPP01_00000000	000000) Power flow UPS Info Diagram Environmental information Temperature : 30.5 °C Humidity : 37.4 %		0

Note: This information is only available when SNMP card is connected with Environmental monitoring device (EMD).

Basic information

It includes UPS basic information, battery information, UPS purchasing information, and UPS rated information.

192.168.107.230_SNMPP01_0000	0000000000)			
Status		Basic information	Battery	information
Basic information	UPS type :	on-line	Battery group numbers : 2	
Parameters setting	Input phase/Output phase :	1/1		
Real-time control	Input voltage/Output voltage :	240/240 V		
Purchasing information	Serial number :	00000000000000		
Close window	FW version :	00057.05		
Close window				
		Purchasing information		UPS rated information
	UPS purchasing date :	2012-09-11	Rated VA :	1000 VA
	Battery purchasing date :	2012-09-11	Rated output voltage :	240 V
	UPS Warranty :	0 Year(s)	Rated output frequency :	50 Hz
	Batteries Warranty :	0 Year(s)	Rated output current :	4 A
	Battery lifecycle :	0 Month(s)	Rated battery voltage :	36 V
	Reminder: Replace batteries :	Enable		
	UPS P/N :			

Parameters setting

Some UPS functions can be set and changed via software. Parameter setting includes backup time setting for programmable outlet (P1), battery number setting, voltage and frequency range setting for bypass mode, and voltage range setting for ECO mode.

Configuration Schedule View	Format Language Help	User type: Administrator	Logout
📲 🌇 🤒 🛸			
UP52(192.168.107.114_SNMPP01_00000	000000000)		0
😒 Status	UPS alarm 🔾 Enable	Disable Apply Advanced ECO mode	🔾 Enable 💽 Disable 🚺 Apply
Basic information	Alarm at bypass mode 💿 Enable	O Disable Apply Green power function	C Enable Disable
Parameters setting	Alarm at battery mode 💿 Enable	O Disable Apply Cold start	Enable Disable Apply
Real-time control	Auto reboot 💿 Enable	Disable Apply: Bypass not allowed	Enable Disable Apply
Purchasing information	Bypass when UPS is off 🔘 Enable	Disable Apply: Battery deep-discharge protection	Enable Disable Apply
Close window	Converter mode 🥥 Enable		Enable Disable Apply
	ECO mode 🔘 Enable	Disable Apply P1 programmable outlet control(battery mode)	C Enable O Disable
		Outlet setting	Battery numbers setting
	Backup time for P1(battery mode)	999 😧 Min 🛛 Apply Numbers in parallel	1 T
		Voltage and frequency range for bypass mode	Voltage range for ECO mode
	Maximum voltage	264 🔹 V 🛛 Apply	242 🔹 V Apply
	Minimum voltage	170 V Apply Minimum voltage	218 🔹 V Apply
	Maximum frequency	53 + Hz Apply	
	Minimum frequency	47 Apply	
			Default

Note: Different UPSs may access different parameter setting.

- 1. Select the functions by clicking "Enable" or "Disable" button. Change the numbers by clicking updown arrows or modify the numbers directly in the number column.
- 2. Click "Apply" button to save the settings. Each function setting is saved by clicking "Apply" button in each section.
- 3. Click "Default" button to recover the default setting.

Note: Any functions which are not supported by UPS will not be able to access.

- UPS alarm: If enabled, UPS alarm will be activated. Vice versa.
- Alarm at bypass mode: If enabled, UPS alarms when it's working at bypass mode. Vice versa.
- Alarm at battery mode: If disabled, UPS will not alarm when it's working at battery mode. Vice versa.
- Auto reboot: If enabled, UPS will auto recover when AC is recovering. Vice versa.
- Bypass when UPS is off: If enabled, AC will directly provide power to connected devices when UPS is off. Vice versa.
- Converter mode: If enabled, the UPS will operate in converter mode. Vice versa.
- ECO mode: If enabled, the UPS will operate in ECO mode when input voltage is within acceptable range. Vice versa.
- Battery open status check: If enabled, the monitored UPS will check if the battery connection ok or not when UPS is turned on.
- Cold start: If disabled, the UPS can be turned on only when AC is normally connected to UPS. Vice versa.
- Bypass not allowed: If enabled, the UPS will not transfer to bypass mode under any conditions. If disabled, the UPS will be allowed to transfer to bypass mode according to UPS internal setting.
- Battery deep discharge protection: If enabled, the monitored UPS shutdown in accordance with the condition of battery and load on battery mode to protect battery. Vice versa.
- Site fault detection: If enabled, the monitored UPS will beep when the input neutral and hot wires are reversed. Vice versa.
- P1 Programmable outlet control (battery mode): If enabled, when UPS is running at battery mode, it will cut off P1 outlets after backup setting time arrive. If disabled, UPS will provide continuous power to P1 outlets until the battery is running out.
- Outlet setting: Users can set limited backup time for P1 outlets when UPS is on battery mode.
- Battery numbers setting:

•

- » Numbers in parallel: set battery numbers in parallel
- Voltage and frequency range for bypass mode: Set acceptable voltage and frequency range in bypass mode
 - » Maximum and minimum voltage: When UPS is on bypass mode and input voltage is out of setting range, UPS will enter battery mode.
 - » Maximum and minimum frequency: When UPS is on bypass mode and input frequency is out of setting range, UPS will enter battery mode.
- Voltage range for ECO mode: Set acceptable voltage range for ECO mode.

Realtime control

Configuration Schedule View Format Language Help	User type: Administrator Logout
🛒 📪 😕 🍓 👄	
UP52(192168.107.114_SNMPP01_000000000000)	8
Status Alarm control UPS turn on Parameters setting Parameters setting Purchasing information Close window Battery self-test Desp discharge test: Start Cancel Minute self-test: Start Cancel Minute self-test: Start Cancel Minute self-test: Start Cancel Minute self-test: Start Cancel Start Cancel	Off Outlet control

- 1. Choose realtime control function by clicking "Start" button on each function section. You can realtime control the UPS by executing following operation:
 - Alarm control: Click "On" to turn on the UPS alarm and "Off" to turn off the UPS alarm immediately.
 - UPS turn On/Off: Click "On" to turn on the UPS and "Off" to turn off the UPS immediately.
 - Battery SelfTest: Software offers three types of battery selftest: 10second selftest, deep discharge test, and selfdefined selftest. Simply clicking "Start" button from each type. It will execute the selftest immediately.
 - Outlet Control: It will cut off programmable outlets (P1) when setting time arrives. When entering 0 in timer column and click "Start" button, it will cut off outlets immediately when UPS works in battery mode.

Note: Different UPSs may access different parameter setting.

Purchasing information

Users can enter UPS purchasing date, battery purchasing date, UPS warranty time, battery warranty time, battery lifecycle, and battery replacement reminder for future reference.

Configuration Schedule View Format Language Help	User type: Administrator Logout
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UPS1(192.168.107.230_SNMPP01_0000000000000000000000000000000000	8
 Status Basic information Parameters setting Real-time control UPS warranty Battery purchasing date UPS warranty Battery uprchasing date Battery uprchasing date Battery lifecycle Reminder: Replace batteries 	2012-09-11 III 0 Vear(s) 0 Month(s)
	Apply

- 1. Please fill out purchasing information.
- 2. Click "Apply" button to save all data.

History

Event Log

In the Event Log window, it's shown all history events. Users can analyze the history data and improve the current electricity environment according to history data.

1. Select View >> History >> Event Log.

ent lo	40 -	statistics Data Diagram EMD log		
UPS		.168.197.230 P01 0000000000000 + Time)
)	Level	Date	Event	Туре
	0	2012-09-14 09:07:40	Standby mode	UPS internal event
	0	2012-09-14 09:07:38	Communication restore	UPS external event
	0	2012-09-14 09:07:29	Network communication interrupted.	Software event
	0	2012-09-14 08:43:09	Line mode	UPS internal event
	0	2012-09-14 08:43:07	Communication restore	UPS external event

- 2. Select UPS from com. port list. Users still can retrieve old data saved in the software even though the UPS is no longer connected to local system.
- 3. Select time period by clicking calendar icon. Then click "Browse" button to get list of all history events during selected period time.
- 4. Print/Delete/Export function keys
 - "Print": Click "Print" button to print the current event log.
 - "Delete/Delete all": To delete specific event, simply select that event and then click "Delete" button. Or click "Delete all" button to delete all history events on the listed table.
 - "Export": Click "Export" button to save listed table to local PC in .CSV file.

Event Statistics

It will list down and provide all event statistics for UPSs with software installed based on time period A and time period B, and the change percentage [= $100^{*}(B/A - 1)^{\circ}$].

Note: Event types include UPS internal event, bypass event, battery event, software event, load event, input event, parallel system event and communication event.

Step 1 Select History >> Event Statistics. Or click shortcut icon



	je Help				User type: Administrator	Logout
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Event log Event statistics Data Diagram EMD	logs					
UPS UPS1(192.168.107.230 P01 0000000000000) *	Time period A	2012-09-14	a -	2012-09-14	Browse	
	Time period B	2012-09-14	- 10	2012-09-14		
Event list		Time period A		Time period B		Change (%)
EMD event						
UPS internal event						
UPS external event						
Bypass event						
Battery event						
Software event						
Eoad event						
▶ 🕒 Input event						

Step 2 Select UPS from com. port list. Users still can retrieve old data saved in the software even though the UPS is no longer connected to local system.

Step 3 Select two periods from clicking "calendar" icon. Then click "Browse" button. The statistics result will be listed in below table according to event types.

Configuration Schedule View Format Language Help			User type: Administrator	Logout	
📲 📪 🙁 🔹 👄					
Event statistics Data Diagram EMD logs UPS UPS UPS UPS UPS Time per Time per		2012-09-14 al	Browse		
Event list	Time period A	Time period B		Change (%)	
F 🗁 EMD event					-
D temprature high	0	0	0		
EMD Dry Contact1 alarm	0	0	0		
EMD Dry Contact3 alarm	0	0	0		
EMD Dry Contact2 alarm	0	0	0		
EMD temperature exceeds the upper limit	0	0	0		
EMD temperature becomes lower than the lower limit	0	0	0		
EMD humidity becomes lower than the lower limit	0	0	0		
EMD humidity exceeds the upper limit	0	0	0		
EMD Dry Contact4 alarm	0	0	0		
EMD smoke alarm	0	0	0		
DPS internal event					
UPS external event					
Bypass event					
Battery event					

Click "Print" button to print event statistics.

Data

In the window of Data, it shows UPS power data in figures during selected period time. Software also offers print, save as, and delete functions. User can customize record interval and default data is recorded in 60 seconds interval.

Step 1 Select View >> History >> Data.

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Event log Event st	tatistics Data	Diagram EMD logs							
UPS UPS1(192.16	8.107.230 P01 000000	Time perio	d 2012-09-14	ii 2012-09-14	Browse			Record interval 60	Se
Time	Input voltage	Input frequency	Output voltage	Output frequency	Current	Load level	Battery voltage	UPS temp.	
2012-09-14 10:03:40	215	50	0	0	0	0	41	21	
2012-09-14 10:02:41	213.6	50	0	0	0	0	41	21.2	
012-09-14 10:01:41	214.5	50	0	0	0	0	41	21	
012-09-14 10:00:42	214	50	0	0	0	0	41	21.2	
012-09-14 09:59:43	215.4	50	0	0	0	0	41	21.2	
012-09-14 09:58:44	214.6	50	0	0	0	0	41	21.2	
012-09-14 09:57:45	214.3	50	0	0	0	0	41	21.2	
012-09-14 09:56:46	215	50	0	0	0	0	41	21.2	
012-09-14 09:55:47	215.3	50	0	0	0	0	41	21.2	
012-09-14 09:54:48	216.5	50	0	0	0	0	41	21	
012-09-14 09:53:49	215.9	50	0	0	0	0	41	21.2	
012-09-14 09:52:50	215.5	50	0	0	0	0	41	21.2	
012-09-14 09:51:51	216.3	50	0	0	0	0	41	21.2	
012-09-14 09:50:52	216.8	50	0	0	0	0	41	21.2	

Note: This screen may be different for different types of UPSs.

Step 2 Select UPS from com. port list. Users still can retrieve old data saved in the software even though the UPS is no longer connected to local system.

Step 3 Select the starting time and ending time by clicking calendar icon. Then click "Browse" button to get the data table.

- "Print": Print the listed data table.
- "Delete": Select specific data and click "Delete" button to delete the record.
- "Delete all": Click "Delete all" button to delete all records on the listed table.
- "Export": Click "Export" button to save listed table to local PC in .CSV file.

Diagram

In the Diagram window, it shows UPS power data in diagram during selected period time. UPS power data includes input voltage, output voltage, input frequency, output frequency, load level, battery capacity, and UPS temperature.

Step 1 Select View >> History >> Diagram.

Configuration Sc	thedule N	/iew Format	Language I	Help			User type:	Administrator	Logout	
📲 🌇 🧕		۲								
Event log Event s	tatistics	Data Diagram	EMD logs							
UPS UPS1(192.16	i8.107.230 PO	1 00000000000000)	•	Cyde	Year(s) 🔹 :	2012 Brown	se)			
Input voltage Input frequency Output voltage Output frequency	200 160 Voitage					ſ				
Current Load level	80 40									
Battery voltage	0									
UPS temp.		1 2	3	4 5	6 7 Month(s)	8 9	10	11 12		

Note: This screen may be different for different types of UPSs.

Step 2 Select UPS from com. port list. Users still can retrieve old data saved in the software even though the UPS is no longer connected to local system.

Step 3 Select cycle and period time. Then click "Browse" button to get the diagram.

Step 4 Select monitoring parameters on left hand tab to switch diagram.

EMD Logs

In the EMD logs window, it shows the environment data in figures detected by environmental monitoring device (EMD) during selected period time.

Step 1 Select View >> History >> EMD logs.

Configuration Schedule View Format Language Help	User type	Administrator Logout
T T O B O		
Event log Event statistics Data Diagram EMD logs		
UPS 192.148.187.238 • Time period 2012-09-14 📾 - 2012-09-14 📾 Browse		
Time	Temperature	Humidity
		Delete all

Step 2 Select UPS and select the starting time and ending time by clicking calendar icon. Then click "Browse" button to get the data table. Delete/Delete all.

- "Delete": Select specific data and click "Delete" button to delete the record.
- "Delete all": Click "Delete all" button to delete all records on the listed table.

Format

Temperature Unit

There are two temperature units for selecting: Centigrade and Fahrenheit. Default setting is centigrade.

Date Format

There are nine formats for date display:

- YYYYMMDD
- YYYY/MM/DD
- YYYY:MM:DD
- MMDDYYYY
- MM/DD/YYYY
- MM:DD:YYYY
- DDMMYYYY
- DD/MM/YYYY
- DD:MM:YYYY

Default setting is YYYYMMDD.

Language

ViewPower Pro offers thirteen languages for selection:

- English
- French
- German
- Italian
- Polish
- Portuguese
- Russian
- Spanish
- Ukrainian
- Turkish
- Czech
- Chinese(Simplified)
- Chinese(Traditional)

Help

About

Click "Help" menu and select "About". It represents the information about software.

Online help

Click "Help" menu and select "Online help" item. It will open user manual. Before operating software, please read manual carefully.