

SNMP Web Pro User's Manual

Management Software for Uninterruptible Power Supply Systems



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CHICAGO DIGITAL POWER



1. Overview

1.1 Introduction

This SNMP web pro can provide web server to monitor and manage multiple UPSs in a networked environment including LAN and INTERNET. It can detect temperature and humidity for the environment via connecting to EMD (Environmental Monitoring Device). The same port is also applied for data transmission. Simply connect to SMS modem for SMS sending with a RJ11 to DB9 cable.

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 the UPS. All UPS warning and fault event records can be kept in SNMP web pro.

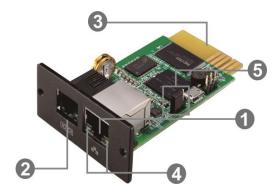
Integrated with ViewPower Pro software, it can monitor and remote access all distributed devices with SNMP web pro card in a LAN or INTERNET. For the detailed operations, please check user manual of ViewPower Pro.

1.2 Features

- > Open monitor via Web Browser.
- > Offer SNMP MIB to monitor UPS status.
- > Automatically detect and exchange 10M/100M Fast Ethernet.
- Support wake-on-LAN function.
- Supported protocol such as TCP/IP, UDP, SNMP, SMTP, SNTP, HTTP, HTTPS, SSL, SSH, IPV4/IPV6, DHCP and so on.
- Integrated with Shutdown Wizard, it can prevent data loss from power outage and safely shut down systems.
- Able to store event log more than 200,000 threads, including UPS warnings, faults and EMD warnings, operation data logs from web users or ViewPower pro users. It will be stored safely without loss even when power failure occurs.
- > Support daily reports for event log and data log.
- > Scheduled UPS on/off and battery test.
- > Support EMD monitoring and SMS sending.
- Equipped with real-time clock to record log with date and keep running up to 7 days without power connected.



1.3 Overlook



Ethernet port (10/100Base-T)
Sensor port/data transmission port
Golden finger: connects to UPS slot
Ethernet port status LEDs
Jumper setting to restore default setting

Ethernet port status LEDs:

100M LED (Green)	On	Port is operating at 100Mbit/s
	Off	Current web bandwidth is 10Mbit/s
Link status LED	Flash	Link Active
(Yellow)	Off	Card is not connected to the network

Pin assignment for Jumper:

The assignment for se	imperi	
Pin #	Status	Description
Pin 1 & Pin 2	Closed	Normal operation
Pin 2 & Pin 3	Closed	After re-connecting utility, the IP
		address of SNMP web card and
		password will restore to default setting.
		Default static IP address:
		(192.168.102.230)
		Default password: 12345678

NOTICE: After setting is restored to default, be sure to change the jumper setting to connect Pin 1 and Pin 2 for normal operation.

1.4 Installation and Connection

Installation

If using SNMP web card, please follow below steps to install card first: **Step 1:** Remove the cover of intelligent slot on the back panel of UPS and retain the screws

Step 2: Slide the card into the open slot and secure with the screws from step 1. (see chart 1-1)



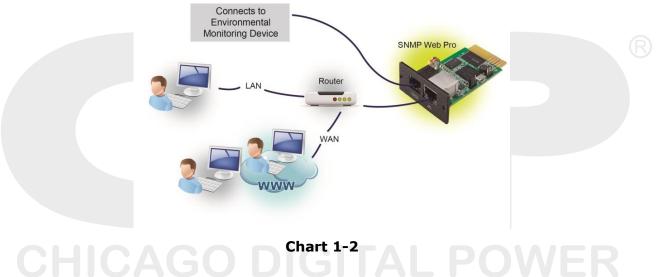


Chart 1-1

Refer to chart 1-2 for connecting the SNMP web pro.

Step 3: Plug Ethernet cable to the Ethernet port (RJ-45) on the SNMP web manager.

Step 4: Use one more Ethernet cable. Connect one end to the sensor port on the SNMP web manager and the other end to the optional environmental monitoring device.



1.5 Configuration

a) Please install SNMP web manager wizard in your PC. After software is installed successfully, the Installer will leave a shortcut icon on your desktop.



b) Enter specific IP address to search all SNMP devices in LAN. 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.



😰 SNMP Web Manager							🛛 🗙
System Settings Language Help							
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 add	iress 192.16	8.107.79			
		MAC add	iress 00-00-	6E-00-10-23			
SNMP status: 1	SNMP reset enable Reset						
Use system time: 08/17/20	012 16:42:01 Apply						
192.168.107		Output window	v				
192.108.107	Scan			Online successfull	2		
	Add	[10.42.00] 11	2.100.107.75	onnie successiun	y.		
	Del						

Chart 1-5

c) User can modify IP setting, online upgrade, password management, and static trap address setting in SNMP Web Manager screen. It is necessary to enter password for any medications. The default password is 12345678.

Please check SNMP Web Manager User Manual for detailed configuration.

1.6 Monitoring

There are two ways to monitor:

a) Double click the selected device from the device list (refer to Chart 1-5) to open web page as Chart 1-6 a. Or simply enter https address (http://192.168.107.234) in web browser to access web server directly. Refer to Chart 1-6 b.



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SNMP Web Pro 1.0				
		Status	Login Guest	
Information	UPS information			
Status Basic information	UPS mode: Line Mode	UPS temp.: 29.3 C		
UPS setting	Auto reboot: true	Converter mode: false		
Parameters setting	ECO Mode: false	Bypass when UPS is off: false		
Control	Bypass not allowed: true	Fault type:		
Real-time control	UPS warning:			
System configuration				
Web	Input information			
E-mail SMS	Input voltage: 221.0 V	Input frequency: 50.0 Hz		
Wake on LAN				
Shutdown	Output information			
Event action Scheduled	Output voltage: 229.8 V	Output frequency: 50.0 Hz		
System time	Output current: 0.3 A	Load level: 6 %		
SNMP configuration				
Log Event log	Battery information Battery voltage: 41.0 V	Battany conneity: 00.9/		
Data log	Remaining backup time: 999 Min	Battery capacity: 92 %		
Help	romaning savup time. 500 min			
Serial Port Debug	EMD information			
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one		👩 😜 Internet Protected Mode: C	Dn 🖓 ▼ 🔍 100% ▼	
	Chart 1-			
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Chart 1-6 b

b) Installed ViewPower Pro software to monitor SNMP web pro. Refer to Chart 1-7.

Please check ViewPower Pro User Manual for detailed monitoring.



Configuration Schedule View Format Language H	elp User type:	: Guest Login
🖷 🌇 🤒 🖺 🕤		Graphic view List view
Unassigned		
(192.168.103.166_SNMPP01_00000000000000000)	null(192.168.103.165_SNMPP01_0000000000001)	null(192.168.103.164_SNMPP02_0000000000000000000000000000000000
UPS information: Itine 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 📀







2. SNMP web pro GUI

SNMP web pro GUI includes function menu, login section and main screen. Refer to Chart 2-1:

SNMP Web Server - Windows Internet Expl	orer		
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SNMP Web Pro 1.0	А		
	**	Status D Login	Guest
Information			_
B Status	C UPS information UPS mode: Line Mode	UPS temp.: 29.3 C	
Basic information	Auto reboot: true	Converter mode: false	-
UPS setting	ECO Mode: false	Bypass when UPS is off; false	-
Parameters setting	Bypass not allowed: true	Fault type:	-
Control	UPS warning:	i dur type.	- 1
Real-time control			-
System configuration	Input information		
Web E-mail	Input voltage: 221.0 V	Input frequency: 50.0 Hz	
SMS			-
Wake on LAN Shutdown	Output information		
Event action	Output voltage: 229.8 V	Output frequency: 50.0 Hz	
Scheduled System time	Output current: 0.3 A	Load level: 6 %	
System time SNMP configuration			
Log	Battery information		
Event log	Battery voltage: 41.0 V	Battery capacity: 92 %	
Data log	Remaining backup time: 999 Min		
Help Serial Port Debug			
Senar Port Debug	EMD information		
	EMD temp.: 24.6 C	Humidity: 80.2 %	
		🙀 🌍 Internet Protected Mode: On	

Chart 2-1

- A .SNMP web pro GUI version
- B .Function Menu

It offers complete tool-set for navigation and setting the GUI.

C .Main Screen

It will display information and/or control alternatives according to function menu selected.

D. Login section

It shows user type for current login user. The default password for administrator is "12345678".



3. Function Menu

3.1 Information

3.1.1. Status

Select Information >> Status. Refer to Chart 3-1. It's shown real-time monitored UPS data including input, output, UPS, battery information and environmental information in table format.

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JUNP WED SERVER			Safety + Tools + W+
SNMP Web Pro 1.0			
		Status Login	Guest
Information			
Status	UPS information UPS mode: Line Mode	1100 1 00 0 0	
Basic information	Auto reboot: true	UPS temp.: 29.3 C Converter mode: false	
UPS setting	Auto reboot: true ECO Mode: false		_
Parameters setting	Bypass not allowed: true	Bypass when UPS is off: false	-
Control	UPS warning:	Fault type:	
Real-time control	UPS warning:		
System configuration			_
Web	Input information		
E-mail SMS	Input voltage: 221.0 V	Input frequency: 50.0 Hz	
Wake on LAN			
Shutdown	Output information		
Event action Scheduled	Output voltage: 229.8 V	Output frequency: 50.0 Hz	
System time	Output current: 0.3 A	Load level: 6 %	
SNMP configuration			
Log	Battery information		
Event log	Battery voltage: 41.0 V	Battery capacity: 92 %	
Data log	Remaining backup time: 999 Min		
Help			
Serial Port Debug	EMD information		
	EMD temp.: 24.6 C	Humidity: 80.2 %	
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Chart 3-1

3.1.2. Basic information

Select Information >> Basic information. It includes UPS basic information, battery information and UPS rated information. Refer to Chart 3-2.



SNMP Web Server - Windows Internet Explorer			
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SNMP Web Pro 1.0		Basic inform	ation Login Guest
Information	Basic information		
Status Basic information	UPS type: G1K ON_LINE	Input phase/Output phase: 1/1	
UPS setting	Input voltage/Output voltage: 230/230 V	UPS serial number: 012345678	91234
Parameters setting	UPS FW version: 00623.00	SNMP FW version: 1.0.0	
Control	Equipment attached: SNMP web pro		
Real-time control			
System configuration	Battery information		
Web	Battery group number: 4		
E-mail SMS			
Wake on LAN	UPS rated information Rated VA: 100.0 VA		
Shutdown Event action	Rated VA: 100.0 VA Rated output frequency: 50.0 Hz	Rated output voltage: 230.0 V Rated output current: 4.0 A	
Scheduled	Rated butput nequency. 50.0 Hz Rated battery voltage: 36.0 V	Rated output current, 4.0 A	
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Log			
Event log			
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Help			
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Chart 3-2

3.2 UPS setting

3.2.1 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.

Select UPS setting >> Parameters setting. Refer to Chart 3-4.

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SNMP Web Pro 1.0		Parameters setting Login Guest	
Information Status Basic information UPS setting Control Real-line control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	Alarm control:	Advanced ECO mode: Enable Disable Apply Green power function: Enable Disable Apply Cold start: Enable Disable Apply Bypass not allowed: Enable Disable Apply Bypass not allowed: Enable Disable Apply Battery deep-discharge protection: Enable Disable Apply Site fault detection: Enable Disable Apply P1 programmable outlet control: Enable Disable Apply Battery numbers setting Numbers in parallel: 4 Apply Voltage range for ECO mode Max. voltage: V Apply Min. voltage: 21 V Apply	

Chart 3-4



Note: Different UPSs may access different parameter setting.

- 1. Select the functions by clicking "Enable" or "Disable" button. Change the numbers by clicking up-down 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.

- > Alarm Control: 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 is 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 shuts down 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 arrives. 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: 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.

3.3 Control

3.3.1. Real-time control

Select Control >> Real-time control. Refer to Chart 3-5.

SNMP Web Server - Windows Internet	Explorer	
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Chart 3-5

You can real-time control the UPS by executing following operation:

- > UPS turn On/Off: Click "On" to turn on the UPS and "Off" to turn off the UPS immediately.
- Battery Self-Test: It offers three types of battery self-test: 10-second self-test, deep discharge test, and self-defined self-test. Simply clicking "Start" button from each type. It will execute the self-test immediately.

3.4. System configuration

3.4.1. Web user

It configures the authority to access SNMP web pro. Please enter access ID and password in each column. There is no limitation to access control in default setting. It is also allowed for http and https modification. The default setting is 80 for http and 443 for https. If any modification for adding web



users, deleting web users or port re-configuration, it's necessary to click "Restart Web Server" button to restart web server to activate all modifications. Refer to Chart 3-6.

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Chart 3-6

3.4.2. E-mail

It's allowed to send alarm mail by SMTP server. To use this function, the e-mail service must be correctly configured. All values in this function page are default empty. This action can't be executed without the SMTP information, e-mail account and password. Besides, the sender account should be allowed for SMTP/POP3 forwarding.

Select System Configuration >> E-mail. Refer to Chart 3-7



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SNMP Web Pro 1.0				E-mail		Login	Guest	
Information	SMTP server: smtp.test.com		Receive 1:			Apply	Delete	
Status Basic information	Security ONO OSSL OTLS		Receive 2			Apply	Delete	
UPS setting	Type: NO SSL TLS	•	Receive 3:			Apply	Delete	
Parameters setting Control	Send from:		Receive 4:			Apply	Delete	
Real-time control	User name: test	-	Receive 5:			Apply	Delete	
System configuration Web	Need Auth		Receive 6:			Apply	Delete	
E-mail SMS	Password:		Receive 7:			Apply	Delete	
Wake on LAN	Note: After apply, you can clic message.	k "Test" button to send a test	Receive 8:			Apply	Delete	
Shutdown Event action Scheduled	Apply Test		Password get back Email:			Apply	Delete	
System time SNMP configuration Log		Recip	pient's Email Address	s (for Daily Rep	oort)			-
Event log		Account 1:		Apply	Delete			
Data log Help		Account 2:		Apply	Delete			
Serial Port Debug			at 00:00					
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- Chart 3-7
- 1. Enter SMTP server, security type (supported encryption from SMTP server), SMTP port, sender's E-mail address, user name and password. Click checkbox of "Need Auth" for password verify.
- 2. Enter correct e-mail accounts in Receive list. Then, click "Apply" to add into receivers list. Click "Delete" button to delete e-mail account.
- 3. Click "Apply" to save the changes. The "Test" button can be used to send a test e-mail to all receivers to confirm correct operation. When the test e-mails 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.
- 4. You may decide who will receive daily report e-mail at specific duration. Please enter recipient's Email Address and timer into columns. Then, click "Apply" button to set up this action. You also can configure who will receive alarm e-mail when event log exceeds 100 or data log exceeds 50 records. Please click checkbox of selections.
- 3.4.3. SMS
 - Sending SMS By Server

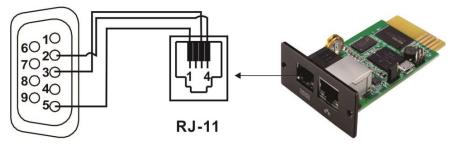
It is required to have service software available such as ViewPower Pro. In the event of an alarm condition occurring, a message about UPS status will be sent to the specified users via mobile phone. Please refer to Chart 3-8 b.

• Sending SMS By Serial Port

It is used EMD port as data transmission to send SMS without any service software. Please configure Baud rate of GSM Modem as 9600 and then connect data transmission port (2) of SNMP web port card to GSM Modem with a RJ11 to DB9 cable. Please refer to Chart 3-8 a for



detailed wiring.



DB-9

Chart 3-8 a

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Information Status Basic information UPS setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event log Data log Help Serial Port Debug	Send SMS By: Server Serial Port SMS maximum 100 SMS server: 192.168.102.230 Port: 41222 Account name: Password: Note1: After apply, you can click "Test" butto Note2: After apply, you can click "Test" butto Note2: If send SMS by serial port,EMD function Apply Test		Appiy Delete Apply Delete Apply Delete Apply Delete	
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Chart 3-8 b

3.4.4. Wake on LAN

It's to remotely wake on specific PCs in LAN when these PCs are supported to Wake-on-LAN (WOL) via a magic packet.

Select System Configuration >> Wake on LAN. Refer to Chart 3-9.



SNMP Web Server - Windows Internet	Explorer	 E X Bing
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SNMP Web Pro 1.0		Wake on LAN Login Guest
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration	MAC address 01: 00-00-00-00-00-00 Apply MAC address 02: 00-00-00-00-00 Apply MAC address 03: 00-00-00-00-00 Apply MAC address 04: 00-00-00-00-00 Apply MAC address 05: 00-00-00-00-00 Apply MAC address 06: 00-00-00-00-00 Apply	Delete Delete Delete Delete
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Chart 3-9

After MAC addresses of remote PCs are entered into address column, it will allow to remote control the PCs. However, it's also required to have hardware support for remote PCs to implement this function.

3.4.5. Shutdown

It is to remotely shut down specific PCs with Shutdown Wizard. This function is only available to integrate with Shutdown Wizard. Please also check user manual of Shutdown Wizard for the details.

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Basic information	IP address 02: 0.0.0.0	Apply Delete		
UPS setting Parameters setting	IP address 03: 0.0.0.0	Apply Delete		
Control	IP address 04: 0.0.0.0	Apply Delete		
Real-time control	IP address 05: 0.0.0.0	Apply Delete		
System configuration Web	IP address 06: 0.0.0.0	Apply Delete		
E-mail SMS	IP address 07: 0.0.0.0	Apply Delete		
Wake on LAN Shutdown	IP address 08: 0.0.0.0	Apply Delete		
Event action Scheduled	IP address 09: 0.0.0.0	Apply Delete		
System time	IP address 10: 0.0.0.0	Apply Delete		
SNMP configuration	(IP address format: 192.168.1	02.101)		
Event log Data log				
Help				
Serial Port Debug				

Select System Configuration >> Shutdown. Refer to Chart 3-10.

Chart 3-10



3.4.6. Event action

This function is only available to integrate with Shutdown Wizard. Please also check user manual of Shutdown Wizard for the details.

Select System Configuration >> Event action. Refer to Chart 3-11.

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Chart 3-11

- Shutdown the PC while battery mode: When selected, integrated with Shutdown Wizard, local PC will shut down while UPS works on battery mode.
- Time needed for shutting down the PC: Enter the delay time to shut down the operating system.
- The PC should:
 - 1. Shutdown: When clicking the checkbox, the selected system will shut down. The default setting is clicked.
 - 2. 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.
- Also power off the UPS after shutting down the PC: When click the checkbox, monitored UPS will turn off after local system shuts down. The UPS shutdown time will be later than system complete shutdown time. Users can choose to shut down the system without shutting down the UPS.
- Shutdown UPS output after xx sec: It will cut off UPS output after monitored UPS works on battery mode for xx sec.
- Shutdown the PC while low battery: When clicking this checkbox, local PC will shut down when monitored UPS battery is running low.



- Wake on LAN while AC recovery: When clicking this checkbox, the local PC will be wake on LAN while AC recovery.
- Send E-mail while any UPS event occurs: When clicking this checkbox, it will send alarm E-mail when any event occurs on the local UPS.
- Send SMS while any UPS event occurs: When clicking this checkbox, in the event of an alarm condition occurring, a message about UPS status will be sent to the specified users via mobile phone.
- EMD alarming temperature upper limit: Set up alarm for high temperature point. If detected temperature is beyond setting value, it will send alarm message.
- EMD alarming humidity upper limit: Set up alarm for high humidity point. If detected humidity is beyond setting value, it will send alarm message.
- Data record interval xx sec: Data log record the data per xx sec.

3.4.7. Scheduled

Select System Configuration >> Scheduled. Refer to Chart 3-12. SNMP Web Server - Wind 🚱 🌑 - 🙋 http://192.168.107.234/ 🝷 🗟 🍫 🗙 👂 Bin 🖕 Favorites 🛛 👍 🖉 Suggested Sites 👻 💋 Web Slice Gallery 💌 🐴 👻 🔝 🚽 🚔 👻 Page 🕶 Safety 👻 Tools 👻 🔞 🕶 SNMP Web Server SNMP Web Pro 1.0 Login Guest Battery test scheduled Status Frequency:
Once Basic information O Daily Parameters setting Weekly Monthly Real-time control Date(yyyy/mm/dd): 2014/02/12 Start time(hh:mm): 00:00 Web E-mai SMS Method:

10-second self-test SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration C Self-test 1 Min Deep discharge test Apply UPS On/Off schedule Event log Data log Frequency:
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Chart 3-12

- Scheduled battery self-test: Scheduled battery self-test 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.
- Scheduled UPS 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.

3.4.8. System time

Select System Configuration >> System time. Refer to Chart 3-13.

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Chart 3-13

- Automatic time correction interval
- Time server: The SNTP server IP address or domain name.
- Time Zone (Relative to GMT): It's measured to relative to GMT.
- System Time (mm/dd/yyyy hh:mm:ss): It is to set up SNMP web local host time
- Auto Restart System for Every (0: Disable): XX Minute(s)
- Manual Restart system after 30 Seconds: When click "Apply" button, SNMP will restart after 30 seconds.

3.4.9. SNMP configuration

Setting SNMP web pro basic information such as IP address, password, trap IP address, SNMP UDP port, add/delete snmpv3 user account and restore the factory settings.

Note: Some modifications are required to restart snmp server to become effective.

Select System Configuration >> SNMP configuration. Refer to Chart 3-14 a

and 3-14 b.



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Attraction of the second	Explorer	0.0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Apply Delete	🖸 🖶 🔻 Page	:▼ Safety▼	P ▼ Tools ▼ @ ▼
Interv/192.168.107.234 Favorites August 2 - Suggested Sites SIMMP Web Server SNMP Web Pro 1.0 Information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Wake on LAN Shutdown E-vent action Scheduled System time SNMP Configuration Log Event log Data log	Explorer	0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 161 162 public	Apply Delete	🖸 🖶 🔻 Page	:▼ Safety▼	
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Chart 3-14 b

- IP address: There are two methods to obtain IP address
 - 1. Automatically obtain IP address (DHCP, default)
 - 2. Manually configure IP address

The system will default 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", Net mask as "255.255.255.0" and default gateway as "0.0.0.0".



- Password: Modify the password. The length of password is 8~15 digits.
- Trap IP address: The SNMP device could provide 12 static trap addresses.
- SNMP server configuration: You may change SNMP port and trap port. You also can add SNMPV3 users by clicking "Add" button. It will pop up a screen to set up user setting such as security level and permission level. Refer to below chart.

	I rap IP a	ddress 05: 0.0.0.0	Appiy		
Information		ddress 06: 0.0.0.0	Apply	Delete	
Status Basic information			Apply	Delete	
UPS setting		ddress 07: 0.0.0.0			
Parameters setting		ddress 08: 0.0.0.0	Apply	Delete	
Control	Trap IP a	ddress 09: 0.0.0.0	Apply	Delete	
Real-time control	Trap IP at	ddress 10: 0.0.0.0	Apply	Delete	
System configuration	Trap IP a	ddress 11: 0.0.0.0	Apply	Delete	
Web E-mail SMS Wake on LAN Shutdown Event action Scheduled System time SNMP configuration Log Event too	Note:You have to stop the User Name: user1 Auth Protocol: MD5 Priv Protocol: DES Permission: Read O	→ At → F mly → Cancel	Security Level: NoAu uth Password: Priv Password: Apply		
Data log	SNMP server control: Start Stop Restart				
Help	SNMPV3 User Account * Operation Operation				
Serial Port Debug	User Name Restore the factory settings * Confirm restore factory		on	Operatio	n

• Restore the factory settings

Note: The system will default automatically obtain IP addresses and default Password is 12345678.

3.5. Log

3.5.1. Event log

In the Event Log page, it lists all history events and can be saved as .csv file. The event log includes UPS warnings, fault info, EMD warnings, UPS operation logs from web users or ViewPower pro users. All logs are recorded in flash memory of web card by month. It's safely recorded without loss even after power failure occurs. It can save up to over 200,000 threads. Refer to Chart 3-15.

Select Log >> Event log.



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vorites 🛛 🚖 🙋 Suggested Sites 🤊	• 🙋 Web Slice Gallery 👻			
MP Web Server			🟠 🔻 🖾 👻	🖃 🖶 🔻 Page 🕶 Safety 🕶 Tools
MP Web Pro 1.0			Event log	Logout Administrator
Information Status	01_2016.csv - Apply Delete	a 1		
Basic information	Time	Event name	Event source	Client IP
UPS setting	01/05/2016 15:36:40	Overload fault	MCU Polling	
Parameters setting	01/05/2016 15:36:41	Connect to time server error	SNTP	
Control	01/05/2016 15:37:44	Setting battery group number	Snmp Client	192.168.103.69
Real-time control	01/05/2016 15:37:45	Setting battery group number	Snmp Client	192.168.103.69
System configuration	01/05/2016 15:37:45	Setting battery group number	Snmp Client	192.168.103.69
Web F-mail	01/05/2016 15:38:26	Setting battery group number	Snmp Client	192.168.105.129
E-mail SMS	01/05/2016 15:38:26	Setting battery group number	Snmp Client	192.168.105.129
Wake on LAN	01/05/2016 15:38:26	Setting battery group number	Snmp Client	192.168.105.129
Shutdown	01/05/2016 17:56:11	Setting battery group number	Snmp Client	192.168.105.129
Event action Scheduled	01/05/2016 17:56:11	Setting battery group number	Snmp Client	192.168.105.129
System time	01/05/2016 17:56:12	Setting battery group number	Snmp Client	192.168.105.129
SNMP configuration	01/05/2016 18:42:59	System configuration	Web Browser	192.168.107.129
Log	01/05/2016 18:43:04	Connect to time server error	SNTP	
Event log				
Data log				
Help				
Serial Port Debug				
		1		
				Save as

Chart 3-15

3.5.2. Data Log

In the Data Log page, it will list all history logs and can be save as .csv file. All logs are recorded in flash memory of web card by day. It's safely recorded without loss even after power failure occurs. It can save up to over 200,000 threads. Refer to Chart 3-16.

Select Log >> Data log.

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							Page - Safety - Too	
SNMP Web Server					11 • 6		Page Safety Ioc	is 🔻 🕑 🔻
SNMP Web Pro 1.0					Data I	og Log	out Administrator	
Information Status	01_05_2016.csv - A	pply Delete						ŕ
Basic information	Time	Input voltage(V)	Output voltage(V)	12345 Output frequency(Hz)	Load(%)	Battery voltag	ge(V) Temp.(°C)	
UPS setting		223 1	229 7	50.0	4	41.0	29.0	
Parameters setting	01/05/2016 18:57:21		229.8	50.0	4	41.0	29.3	
Control	01/05/2016 18:58:21		229.8	50.0	3	41.0	29.3	
Real-time control	01/05/2016 18:59:21		229.6	50.0	4	41.0	29.0	E
System configuration	01/05/2016 19:00:21	222.3	229.5	50.0	4	41.0	29.3	
Web	01/05/2016 19:01:21	224.6	229.7	50.0	4	41.0	29.0	
E-mail SMS	01/05/2016 19:02:21	224.4	229.8	50.0	5	41.0	29.3	
Wake on LAN	01/05/2016 19:03:21	222.7	229.8	50.0	5	41.0	29.0	
Shutdown	01/05/2016 19:04:21	223.0	229.5	50.0	4	41.0	29.3	
Event action Scheduled	01/05/2016 19:05:21	223.8	229.9	49.9	4	41.0	29.0	
System time	01/05/2016 19:06:21	222.1	229.5	50.0	6	41.0	28.9	
SNMP configuration	01/05/2016 19:07:21	223.9	229.9	50.0	4	41.0	29.0	
Log	01/05/2016 19:08:21	220.9	229.9	49.9	4	41.0	29.0	
Event log	01/05/2016 19:09:21	221.5	229.7	49.9	3	41.0	29.0	
Data log	01/05/2016 19:10:21	222.0	229.7	50.0	4	41.0	29.0	
Help	01/05/2016 19:11:21	221.7	229.7	50.0	4	41.0	29.0	
Serial Port Debug	01/05/2016 19:12:21	223.3	229.6	50.0	4	41.0	29.0	
	01/05/2016 19:13:22	224.1	229.8	50.0	3	41.0	29.0	
	01/05/2016 19:14:22	221.4	229.8	49.9	5	41.0	29.0	
	01/05/2016 19:15:22	223.8	229.7	49.9	5	41.0	29.0	
	01/05/2016 19:16:22	223.1	229.9	49.9	4	41.0	29.3	-

Chart 3-16



3.6. Help

3.6.1. Serial Port Debug

It's to test communication condition between SNMP card and device.

Select Log >> Event log. Refer to Chart 3-17.

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Status Basic information UPS setting Control Real-time control System configuration Web E-mail SMS Wake on LAN Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Shutdown E-bread Help Serial Pot Debug	SNMP Web Pro 1.0		Serial Port Debug Logout Administrator
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Chart 3-17

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