SNMP Web Pro

User's Manual

Management Software for Uninterruptible Power Supply Systems

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1. Overview

1.1 Introduction

This SNMP web pro can provide web server to monitor and manage multiple UPSs in networked environment. 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.

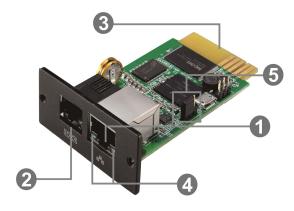
It can not only prevent data loss from power outage and safely shutdown systems, but also store programming data and scheduled shut down the UPS. All UPS warning and fault event records can be kept in SNMP web pro.

The intended use of this product is connectivity to private networks only. If connection to public networks are needed, it is the users/customers responsibility to apply additional security measures such as firewall, managed switches, VPN etc.

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.
- 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. 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:

U			
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:	
		Q1f@18*_~zYLyaM	

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 pro, 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

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

Step 4: If an EMD (environmental monitoring device) is used, another RJ11 cable is required. Connect one end to the sensor port on the SNMP web pro and the other end to the EMD.

<u>Connection</u>

SNMP Web Pro uses DHCP by default. If there is no DHCP server in the LAN, the SNMP web pro will use the default static network parameters after 5 minutes. The SNMP web pro is default applied static IP address as 192.168.102.230, default subnet mask as 255.255.255.0, and default gateway as 192.168.102.254. Users can modify IP address or apply DHCP mode through web server of SNMP web pro.

1.6 Monitoring

There are two ways to monitor:

a) Simply enter https address (https://192.168.102.230) in web browser to access web server directly. Refer to Chart 1-2.

MP Web Pro 1.1			Status	igin Guest	
Information	UPS information				
Status	UPS mode:	Line Mode	UPS temp.:	27.0 °C	
Basic information	Auto reboot:		Converter mode:		
UPS setting	ECO Mode:	disabled	Bypass when UPS is off:	disabled	
Parameters setting	Bypass not allowed:	disabled	Fault type:		
Control	UPS warning:				
Real-time control					
stem configuration	Input information				
Web	Input voltage:	218.2 V	Input frequency:	50.0 Hz	
E-mail SMS					
Upload	Output information				-
Wake on LAN Shutdown	Output voltage:	229.9.V	Output frequency:	50 0 Hz	
Event action	Output ronage.		Load level:		
Scheduled	ouput ouron.		200010101		
System time SNMP configuration	Battery information				
Log	Battery woltage:	20 E V	Battery capacity:	01.9/	
Event log	Remaining backup time:		Battery capacity.	3176	
Data log	Remaining backup time.	345 MIII			
Help					
Serial Port Debug	EMD information				
Firmware Upgrade	EMD temp.:		Humidity:		
	Alarm1:	-	Alarm2:	-	

Chart 1-2

b) Installed ViewPower Pro software to monitor SNMP web pro. Refer to Chart 1-3.

Please check ViewPower Pro User Manual for detailed monitoring.

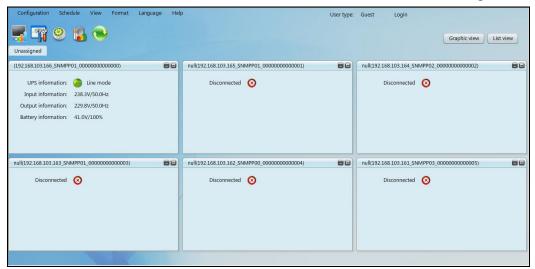


Chart 1-3

2. SNMP web pro GUI

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

NMP Web Pro 1.1	A	Statu .og	in Guest D
Information	UPS information		
Status	UPS mode: Line Mode	UPS temp.: 2	7.1 ℃
Basic information	Auto reboot: enabled	Converter mode: d	isabled
UPS setting	ECO Mode: disabled	Bypass when UPS is off: d	isabled
Parameters setting	Bypass not allowed: disabled	Fault type:	
Control	UPS warning:		
Real-time control			
System configuration	Input information		
Web	Input voltage: 218.9 V	Input frequency: 5	0.0 Hz
E-mail B SMS	C		
Upload	Output information		
Wake on LAN	Output mormation Output voltage: 230.1 V	Output frequency: 5	0.0 Hz
Shutdown Event action	Output vonage. 250.1 V Output current: 0.0 A	Load level: 2	
Scheduled	Output current, 0.0 A	Load level. 2	70
System time			
SNMP configuration	Battery information		
Log	Battery voltage: 39.5 V	Battery capacity: 9	2 %
Event log Data log	Remaining backup time: 344 Min		
Help Oxid Bat Datas	EMD information		
Serial Port Debug Firmware Upgrade	EMD temp.: °C	Humidity:	- %
	Alarm1: -	Alarm2: -	

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 Q1f@18*_~zYLyaM

It is recommended to change the password after the first login. Please refer to 3.4.9.

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.

SNMP Web Pro 1.1			Status	ogin Guest	
Information	UPS information				
Status	UPS mode:	Line Mode	UPS temp.	27.1 ℃	
Basic information	Auto reboot:		Converter mode		
UPS setting	ECO Mode:		Bypass when UPS is off		
Parameters setting	Bypass not allowed:	disabled	Fault type	: i	
Control	UPS warning:				
Real-time control					
System configuration	Input information				
Web E-mail	Input voltage:	217.8 V	Input frequency	50.0 Hz	
SMS					
Upload Wake on LAN	Output information				
Shutdown	Output voltage:	229.6 V	Output frequency	49.9 Hz	
Event action	Output current:	0.0 A	Load level	2 %	
Scheduled System time	line de la companya d		- Ale		
SNMP configuration	Battery information				
Log	Battery voltage:	39.5 V	Battery capacity	92 %	
Event log	Remaining backup time:	345 Min			
Data log				6	
Help	EMD information				
Serial Port Debug Firmware Upgrade	EMD temp.:	°C	Humidity	%	
r innware opgrade	Alarm1:	-	Alarm2		

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 Pro 1.1		
		Basic information Login Guest
Information	Basic information	
Statue	UPS type: OLHV1K5 ON_LINE	Input phase/Output phase: 1/1
Basic information	Input voltage/Output voltage: 230/230 V	UPS serial number: 000000000000000
UPS setting	UPS FW version: VERFW:01987.00s1	SNMP FW version: 1.1.2.3
Parameters setting	Equipment attached: SNMP web pro	
Control		
Real-time control	Battery information	
System configuration	Battery group number: 1	
Web E-mail		
SMS	UPS rated information	
Upload	Rated VA: 1500.0 VA	Rated output voltage: 230.0 V
Wake on LAN Shutdown	Rated output frequency: 50.0 Hz	Rated output current: 6.0 A
Event action	Rated battery voltage: 36.0 V	
Scheduled System time		
SNMP configuration		
Log		
Event log		
Data log		
Help		
Serial Port Debug Firmware Upgrade		
Firmware Opgrade		

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.

SNMP Web Pro 1.1		Parameters setting Login Guest
Information Status Basic Information UPS setting Parameters setting Control Real-lime control System configuration	Alarm control:	Advanced ECO mode: Enable Disable Appy Green power function: Enable Disable Appy Bypass not allowed: Enable Disable Appy Battery deep-discharge protection: Enable Disable Appy P1 programmable outlet controt: Enable Disable Appy
Web E-mail SMS Upload Wake on LAN Shutdown E-vent action SCA System time SNMP configuration Log E-vent log Data log Data log Help Serial Pot Debug Firmware Upgrade	Outlet setting Backup time for P1(battery mode)[999 Min Apply Voltage and frequency range for bypass mode Max. voltage 764 V Apply Min. voltage 770 V Apply Max. frequency 52 Hz Apply Min. frequency 48 Hz Apply	Battery numbers setting Numbers in parallel Apply Voltage range for ECO mode Max. voltage 242 V Apply Min. voltage 216 V Apply Default

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 Pro 1.1			Real-time contro.Login Guest
Information Status Basic information UPS setting Parameters setting Control	Alarm control UPS turn on/off UPS outlet on/off control	On Off On Off Turn off delay 30 Sec. turn on delay 30 Sec. start	
Real-time control System configuration Web E-mail Upload Wake on LAN Shutdown E-vent action Scheduled System time SMMP configuration	UPS reboot Battery self-test 10-second self-test Deep discharge test Minute self-test 1 Min(s	Turn off delay 0 Sec. turn on delay 0 Sec. start Start Cancel Start Cancel j) Start	
Log Even log Data log Help Serial Port Debug Firmware Upgrade			

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.

HTTP is an insecure protocol without encryption. It is recommended to be disabled.

SNMP Web Pro 1.1						Web	.ogin Guest	
Information Status Basic information UPS setting Parameters setting	*: Restart the wel Web Server Con	o server to take effect. figure	Http Port [Https F	: 80 ort: 443		pply pply		
Control Real-time control System configuration	User Account	User Name			Password		Permission Read	Operation Apply
Web E-mail SMS Upload Wake on LAN Shutdown Event action Scheduled System time SNMP configuration					<u> </u>			Restart Web Server
Log Event log Data log Help								
Serial Port Debug Firmware Upgrade								

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

SNMP Web Pro 1.1	E-maillogin Guest
Information Status Basic Information UPS setting Parameters setting Control Real-time control System configuration Web E-mail Upload Upload Wake on LAN	SMTP server: ampt test.com Receive 1: Apply Delete Security Type: None SSL TLS Receive 2: Apply Delete Pott 465 Receive 3: Apply Delete Send from Receive 4: Apply Delete User name: Receive 5: Apply Delete Password: Receive 6: Apply Delete Note: After apply, you can click "Test" button to send a test message. Receive 7: Apply Delete Apply Test Receive 6: Apply Delete Password: Receive 7: Apply Delete Apply Test Receive 7: Apply Delete Apply Test Receive 8: Apply Delete
Shutdown Event action Scheduled System time SMMP configuration Log Event log Data log Help Serial Port Debug Firmware Upgrade	Recipient's Email Address (for Daily Report) Account 1: Apply Delete Account 2: Apply Delete Send Email for Daily Report (hh.mm): at [00:00 Send Email when Event Log overflows (30M): Send Email when Data Log overflows (30M):

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

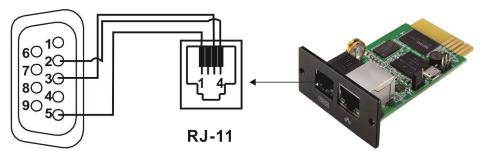
send a test e-mail to all receivers to confirm correct operation. When the test e-mails are successfully sent to specific recipients, it will pop up a successful message on operated PC. Otherwise, it will pop up a failure dialog to indicate there is an error for parameter setting.

- 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 (□) 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



Information	Send SMS By: Server Serial Port			
Status Basic information	SMS maximum 100	Receive 1:	Apply	Delete
UPS setting	SMS server: 192.168.102.230	Receive 3:	Apply	Delete
Parameters setting	Port: 41222	Receive 4:	Apply	Delete
Control	Account name:	Receive 5:	Apply	Delete
Real-time control	Password	Receive 6:	Apply	Delete
tem configuration Web	Note1: After apply, you can click "Test" button to send a test message.	Receive 7:	Apply	Delete
E-mail SMS	Note2: If send SMS by serial port, EMD function will be disabled.	Receive 8:	Apply	Delete
Wake on LAN Shutdown Event action Scheduled System time Log Event log Data log Help Serial Port Dobug Firmware Upgrade				

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.

NMP Web Pro 1.1			
Information	MAC address 01: 00-00-00-00-00	Apply	Delete
Status Basic information	MAC address 02: 00-00-00-00-00	Apply	Delete
UPS setting	MAC address 03: 00-00-00-00-00	Apply	Delete
Parameters setting	MAC address 04: 00-00-00-00-00	Apply	Delete
Control	MAC address 05: 00-00-00-00-00	Apply	Delete
Real-time control System configuration	MAC address 06: 00-00-00-00-00	Apply	Delete
Web	MAC address 07: 00-00-00-00-00	Apply	Delete
E-mail SMS	MAC address 08: 00-00-00-00-00	Apply	Delete
Wake on LAN	MAC address 09: 00-00-00-00-00	Apply	Delete
Shutdown	MAC address 10: 00-00-00-00-00	Apply	Delete
Event action Scheduled	MAC address 11: 00-00-00-00-00	Apply	Delete
System time SNMP configuration	MAC address 12: 00-00-00-00-00	Apply	Delete
Log	MAC address 13: 00-00-00-00-00	Apply	Delete
Event log	MAC address 14: 00-00-00-00-00	Apply	Delete
Data log Help	MAC address 15: 00-00-00-00-00	Apply	Delete
Serial Port Debug	MAC address 16: 00-00-00-00-00	Apply	Delete
Firmware Upgrade	MAC address 17: 00-00-00-00-00	Apply	Delete
	MAC address 18: 00-00-00-00-00	Apply	Delete
	MAC address 19: 00-00-00-00-00	Apply	Delete
	MAC address 20: 00-00-00-00-00	Apply	Delete
	MAC address 21: 00-00-00-00-00	Apply	Delete

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.

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

NMP Web Pro 1.1					Shutdown ^{Logi}	in Guest			
Information	Your script list below:								
Status Basic information	No script available!								
UPS setting									
Parameters setting	select No file selected!								
Control									
Real-time control	*You can enter script name in c	ommand field if you wan	t to execute it by SSH.						
System configuration									
Web E-mail SMS	*If you are using the Shutdown	Vizard 1.16 and above p	lease check AES encryp	tion.					
Upload Wake on LAN Shutdown	IP address	AES SSH encryption shutdow	n User name	Password	Command				
Event action	01: 0.0.0.0		root	*******	halt	Apply	Delete	01	
Scheduled	02: 0.0.0.0		root	******	halt			02	
Scheduled System time SNMP configuration	02: 0.0.0.0		root	x*******	halt	Apply	Delete		
System time	03: 0.0.0.0		root		halt halt	Apply Apply	Delete Delete	03	
System time SNMP configuration Log Event log	03: 0.0.0.0 04: 0.0.0.0		root root	*******	halt halt halt	Apply Apply Apply	Delete Delete Delete	03 04	
System time SNMP configuration Log Event log Data log	03: 0.0.0 04: 0.0.0 05: 0.0.0		root		halt halt	Apply Apply	Delete Delete Delete	03	
System time SNMP configuration Log Event log Data log Help	03: 0.0.0.0 04: 0.0.0.0		root root	*******	halt halt halt	Apply Apply Apply	Delete Delete Delete Delete	03 04	
System time SNMP configuration Log Event log Data log Help Serial Port Debug	03: 0.0.0 04: 0.0.0 05: 0.0.0		root root		halt halt halt halt	Apply Apply Apply Apply	Delete Delete Delete Delete Delete	03 04 05	
System time SNMP configuration Log Event log Data log Help	03: 0.0.0 04: 0.0.0 05: 0.0.0 06: 0.0.0		root root root root		halt halt halt halt halt	Apply Apply Apply Apply Apply Apply Apply	Delete Delete Delete Delete Delete Delete	03 04 05 06	
System time SNMP configuration Log Event log Data log Help Serial Port Debug	03: 0 0.0 0 04: 0 0.0 0 05: 0 0.0 0 06: 0 0.0 0 07: 0 0.0 0 08: 0 0.0 0		root root root root root	******** ******** ******** ******** ******** ********	hait hait hait hait hait hait hait hait	Apply Apply Apply Apply Apply Apply Apply	Delete Delete Delete Delete Delete Delete	03 04 05 06 07 08	
System time SNMP configuration Log Event log Data log Help Serial Port Debug	03: 0 0.0 0 04: 0 0.0 0 05: 0 0.0 0 07: 0 0.0 0 08: 0 0.0 0 08: 0 0.0 0 09: 0 0.0 0		root root root root root root		hait hait hait hait hait hait hait hait hait	Apply Apply Apply Apply Apply Apply Apply Apply Apply	Delete Delete Delete Delete Delete Delete Delete	03 04 05 06 07 08 09	
System time SNMP configuration Log Event log Data log Help Serial Port Debug	03: 0 0.0 0 04: 0 0.0 0 05: 0 0.0 0 06: 0 0.0 0 07: 0 0.0 0 08: 0 0.0 0 09: 0 0.0 0 10: 0 0.0 0		root root root root root root root root	Image: Second	hait hait hait hait hait hait hait hait	Apply Apply Apply Apply Apply Apply Apply Apply Apply Apply	Delete Delete Delete Delete Delete Delete Delete Delete	03 04 05 06 07 08 09 10	
System time SNMP configuration Log Event log Data log Help Serial Port Debug	03: 0 0.0 0 04: 0 0.0 0 05: 0 0.0 0 07: 0 0.0 0 08: 0 0.0 0 08: 0 0.0 0 09: 0 0.0 0		root root root root root root		hait hait hait hait hait hait hait hait hait	Apply Apply Apply Apply Apply Apply Apply Apply Apply	Delete Delete Delete Delete Delete Delete Delete Delete	03 04 05 06 07 08 09	

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.

SNMP Web Pro 1.1		Event action Login Guest	
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Upload Wake on LAN Shutdown Scheddwer Shutdown Scheddwer Shutdown Scheddwer State time Shutdown Scheddwer State for Debug Firmware Upgrade	Shutdown the PC while battery mode. Shutdown PC: @ after [1800] Sec Time needed for shuting down the PC [20] Sec. The PC shuid: O Shutdown ● Go to aleep Also power off the UPS after shutting down the PC. Apply Shutdown the PC while low battery. Apply Sectore cours. Apply Shutdown the PC while temperature upper limit. 55 °C Apply EMD alarming temperature upper limit. 55 °C Apply EMD alarming temperature upper limit. 100 % Apply EMD alarm reset Apply Data record interval 60 Sec. Apply Select allwuesdect all Event Code Descriptions. 001 Ø Fol1 Bus voltage not whiltin default setting. 00		^

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 Pro 1.1	Scheduled.login Guest
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration Web E-mail SMS Upload Wake on LAN Shutdown E-weblack Status Status Status Status Data log Heip Serial Port Debug Firmware Upgrade	Battery test scheduled Frequency: Daily Weekby Date(yyyymmidd) 214 divart12 Start time(hhmm): Doil Method: 0 19-second self-test 0 self-test 1 Min 0 beg discharge test 0 ally Weekby 0 ally Weekby 0 beg discharge test 0 ally Weekby 0 ally 0 ally

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.

SNMP Web Pro 1.1	System time Login Guest
Information Status Basic information UPS setting Parameters setting Control Real-time control System configuration	Automatic time correction intervat: 12 Hours V Time server: time windows com Time Zone(Relative to GMT): GMT V Applying daylight saving time (No V Adjust now >> System Time (yyy/mm/dd hh.mm.ss): 2010/01/01 01 02.29 Apply
Cynth Ywreb Esiad Esiad Wydae on LAN Syludown Event action Scheidiad Sylatem time Data log Heip Serial Port Debug Firmware Upgrade	Auto Restart System for Every (0: Disable): 0 Minute(s) Apply Manual Restart System After 30 Seconds. Apply

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 (yyyy/mm/dd 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.



Chart 3-14 a

SNMP Web Pro 1.1			SNMP cor	nfiguration Login Guest
	Trap IP address			
Information	#	IP address		Operation
Status Basic information	01	0.0.0.0		Apply Delete
UPS setting	02	0.0.0.0		Apply Delete
Parameters setting	03	0.0.0.0		Apply Delete
Control	04	0.0.0.0		Apply Delete
Real-time control	05	0.0.0.0		Apply Delete
System configuration	08	0.0.0.0		Apply Delete
Web E-mail	07	0.0.0.0		Apply Delete
SMS	08	0.0.0.0		Apply Delete
Upload Wake on LAN	09	0.0.0.0		Apply Delete
Shutdown	10	0.0.0		Apply Delete
Event action Scheduled	11	0.0.0.0		Apply Delete
Custom time	12	0.0.0.0		Apply Delete
SNMP configuration	SNMP server configuration *			
Event log		Version	OV1/V2 OV3 Apply Please restart snmpserver	
Data log		SNMP port	161 Apply	
Help		Trap receive port	182 Apply	
Serial Port Debug Firmware Upgrade		RFC1628 table index base	O 0 1 Apply	
Firmware Upgrade		Add SNMPV3 user		
		SNMP server control	Start Stop Restart	
	SNMPV3 User Account*			
	User	Name	Permission	Operation
	5	ys	Read/Write	Modify
	Remote login			
		Teine	t O Enable Disable Apply	
			O Enable Disable Apply	
	Restore the factory settings *			
	restore the factory settings -	Confirm restore factory settings?	Restore	
	Reboot	Commit restore ractory settings	- THERE AND A DECEMBER OF A DE	
	Report			
		Reboot the system	Abbia	

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 "192.168.102.254".

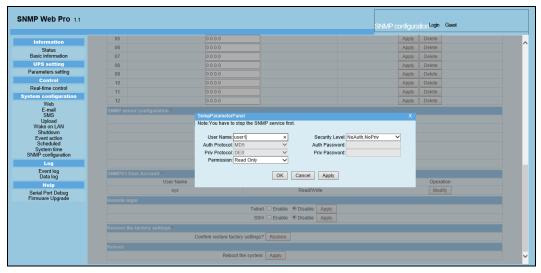
- Password: Modify the password. The length of password is 8~15 digits. Recommended to have a password policy with minimum 8 characters including a combination of uppercase, lowercase, numerical and special character and not to use dictionary words as password.
- Trap IP address: The SNMP device could provide 12 static trap addresses.

• SNMP server configuration:

Version: the "V3" is recommended for the safety consideration.

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.



- Remote login: You can log in to SNMP Web Pro remotely through Telnet or SSH. These two services are turned off by default for security reasons. Remote login using Telnet is not recommended. If you need to update the SNMP Web Pro firmware via SNMP Web Manager, you need to enable the SSH service. It is recommended to turn off this service after the upgrade is complete.
- Restore the factory settings
 Note: The system will default automatically obtain IP addresses and default Password is Q1f@18*_~zYLyaM

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.

UP3 setting 09/02/2019 18:18:58 Setting battery group number Smmp Client 192:168:107:10 Parameters setting 09/02/2019 18:18:02 Setting battery group number Smmp Client 192:168:107:10 Control 09/02/2019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 Real-time control 09/02/2019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 Veb 09/02/2019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 Wight 09/02/2019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:19:32 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:19:32 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:19:33 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:19:34 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:19:35 Setting battery group nu	
Basic Information Event name Event name UP3 setting 99022019 18:18:26 Setting battery group number Smmp Client 192:168:107:10 Parameters setting 09022019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 Real-time control 09022019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 Web 09022019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 Web 09022019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 09022019 18:19:12 Setting battery group number Smmp Client 192:168:107:10 09022019 18:19:23 Setting battery group number Smmp Client 192:168:107:10 09022019 18:19:24 Setting battery group number Smmp Client 192:168:107:10 SMS 09022019 18:19:23 Setting battery group number Smmp Client 192:168:107:10 Shutchown Shutchown Shutchown Shutchown Smmp Client 192:168:107:10 Shutchown Shutchown Shutchown Smmp Client 192	
Detained is setting Control 99022019 18 19 02 Setting battery group number Smmp Client 192 188 107 10 Real-time control vtem configuration 09022019 18 19 12 Setting battery group number Smmp Client 192 188 107 10 Web E-mail SMS Upload 09022019 18 19 20 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 20 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 20 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 20 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 20 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 23 Setting battery group number Smmp Client 192 188 107 10 Shutdown E-wait action 09022019 18 19 23 Setting battery group number Smmp Client 192 188 107 10 System time System time System time Support 09022019 18 19 43 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 45 Setting battery group number Smmp Client 192 188 107 10 09022019 18 1	lient IP
Control 99022019 18 19 12 Setting battery group number Smmp Client 192 188 107 10 Real-line control ystem configuration 09022019 18 19 12 Setting battery group number Smmp Client 192 188 107 10 Web E-mail SMS 09022019 18 19 24 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 24 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 24 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 24 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 24 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 37 Setting battery group number Smmp Client 192 188 107 10 Shutdown Event action Schedided System time 09022019 18 19 43 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 45 Setting battery group number Smmp Client 192 188 107 10 09022019 18 19 45 Setting battery group number Smmp Client 192 188 107 10 09022019 18 18 19 49 Setting battery group number	1
Real-line control 99022019 18.19.16 Setting battery group number Snmp Client 192.168.107.10 Veb E-mail 99022019 18.19.20 Setting battery group number Snmp Client 192.168.107.10 Web E-mail 99022019 18.19.24 Setting battery group number Snmp Client 192.168.107.10 Upload 99022019 18.19.24 Setting battery group number Snmp Client 192.168.107.10 Wake on LAN Shutdwin 09022019 18.19.32 Setting battery group number Snmp Client 192.168.107.10 System time 99022019 18.19.41 Setting battery group number Snmp Client 192.168.107.10 Startog 09022019 18.19.45 Setting battery group number Snmp Client 192.168.107.10 Startog 09022019 18.19.49 Setting battery group number Snmp Client 192.168.107.10 Startog 09022019 18.19.49 Setting battery group number Snmp Client 192.168.107.10 Startog 09022019 18.19.45 Setting battery group number Snmp Client 192.168.107.10 09022019 18.20.01 Setting battery group number <td< td=""><td>Į.</td></td<>	Į.
Network 09/02/2019 18:19:20 Setting battery group number Smmp Client 192:168:107:10 Web 09/02/2019 18:19:24 Setting battery group number Smmp Client 192:168:107:10 SMS 09/02/2019 18:19:28 Setting battery group number Smmp Client 192:168:107:10 Wake on LAN 09/02/2019 18:19:28 Setting battery group number Smmp Client 192:168:107:10 Shutdown 09/02/2019 18:19:32 Setting battery group number Smmp Client 192:168:107:10 Scheduler 09/02/2019 18:19:32 Setting battery group number Smmp Client 192:168:107:10 Scheduler 09/02/2019 18:19:47 Setting battery group number Smmp Client 192:168:107:10 Scheduler 09/02/2019 18:19:45 Setting battery group number Smmp Client 192:168:107:10 Shuth communitie 09/02/2019 18:19:45 Setting battery group number Smmp Client 192:168:107:10 Shuth communitie 09/02/2019 18:19:57 Setting battery group number Smmp Client 192:168:107:10 Shuth communitie 09/02/2019 18:20:05 Setting battery group number Smmp	1
Schedubing in Libori 09/02/2019 18:19:24 Setting battery group number Smmp Client 192:168:107:10 Web E-mail 09/02/2019 18:19:28 Setting battery group number Smmp Client 192:168:107:10 With on LAN 09/02/2019 18:19:32 Setting battery group number Smmp Client 192:168:107:10 Shutdown Event action 09/02/2019 18:19:32 Setting battery group number Smmp Client 192:168:107:10 Scheduled System time 09/02/2019 18:19:37 Setting battery group number Smmp Client 192:168:107:10 WMP configuration 09/02/2019 18:19:41 Setting battery group number Smmp Client 192:168:107:10 WMP configuration 09/02/2019 18:19:45 Setting battery group number Smmp Client 192:168:107:10 WOW2/2019 18:19:57 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:19:57 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:20:01 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:20:01 Setting battery group number Smmp Client 192:168:107:10	1
Web 00/02/2019 18:19:24 Setting battery group number Snmp Client 19/218:107:10 By MS 00/02/2019 18:19:28 Setting battery group number Snmp Client 19/218:107:10 Wake on LAN 00/02/2019 18:19:32 Setting battery group number Snmp Client 19/218:107:10 Shutdown 00/02/2019 18:19:37 Setting battery group number Snmp Client 19/218:107:10 Schedidled Softward 00/02/2019 18:19:41 Setting battery group number Snmp Client 19/218:107:10 Schedidled Softward 00/02/2019 18:19:43 Setting battery group number Snmp Client 19/218:107:10 Wind> configuration 00/02/2019 18:19:43 Setting battery group number Snmp Client 19/218:107:10 System time 00/02/2019 18:19:57 Setting battery group number Snmp Client 19/218:107:10 Sold 2001 19:19:19:20 Setting battery group number Snmp Client 19/218:107:10 19/218:107:10 Setting battery group number Snmp Client 19/218:107:10 19/218:107:10 19/218:107:10 Setting battery group number Snmp Client <	í i
SMS 09/02/2019 18:19:32 Setting battery group number Smmp Client 192:168:107:10 Wake on LAN 09/02/2019 18:19:37 Setting battery group number Smmp Client 192:168:107:10 Shutdown 09/02/2019 18:19:37 Setting battery group number Smmp Client 192:168:107:10 Scheduled 09/02/2019 18:19:43 Setting battery group number Smmp Client 192:168:107:10 Scheduled 09/02/2019 18:19:44 Setting battery group number Smmp Client 192:168:107:10 Scheduled 09/02/2019 18:19:45 Setting battery group number Smmp Client 192:168:107:10 Strate log 09/02/2019 18:19:57 Setting battery group number Smmp Client 192:168:107:10 O9/02/2019 18:19:57 Setting battery group number Smmp Client 192:168:107:10 09/02/2019 18:20:05 Setting battery group number Smmp Client 192:168:107:10 O9/02/2019 18:20:05 Setting battery group number Smmp Client 192:168:107:10 192:168:107:10 O9/02/2019 18:20:05 Setting battery group number Smmp Client 192:168:107:10 192:168:107:10 192:168:107:10	1
Upinal Wake on LAN Shutdown 00/02/019 18:19:37 Setting battery group number Shmp Client 192:168:107:10 Shutdown Scheduled 00/02/019 18:19:41 Setting battery group number Snmp Client 192:168:107:10 System time Stuffe configuration 00/02/019 18:19:45 Setting battery group number Snmp Client 192:168:107:10 Event action Scheduled 00/02/019 18:19:45 Setting battery group number Snmp Client 192:168:107:10 Event log Datariog 00/02/019 18:19:47 Setting battery group number Snmp Client 192:168:107:10 State Doublog 20:019 18:19:43 Setting battery group number Snmp Client 192:168:107:10 State Doublog 20:019 18:19:53 Setting battery group number Snmp Client 192:168:107:10 00:02/2019 18:19:57 Setting battery group number Snmp Client 192:168:107:10 00:02/2019 18:20:01 Setting battery group number Snmp Client 192:168:107:10 00:02/2019 18:20:01 Setting battery group number Snmp Client 192:168:107:10 00:02/2019 18:20:01 Setting battery group number Snmp Client 192:168:107:10 00:02/20	1
Wake on LAN 09/02/2019 18:19:37 Setting battery group number Snmp Client 19/218:107:10 Shutdown Event action Schedidied 09/02/2019 18:19:43 Setting battery group number Snmp Client 19/218:107:10 Wake comparison 09/02/2019 18:19:43 Setting battery group number Snmp Client 19/218:107:10 Schedidied Schedidied 09/02/2019 18:19:45 Setting battery group number Snmp Client 19/218:107:10 Lon 09/02/2019 18:19:53 Setting battery group number Snmp Client 19/218:107:10 Lon 09/02/2019 18:19:57 Setting battery group number Snmp Client 19/218:107:10 Bittory Data Hogy 09/02/2019 18:19:57 Setting battery group number Snmp Client 19/218:107:10 Bittory Data Hogy 09/02/2019 18:20:05 Setting battery group number Snmp Client 19/218:107:10 Bittory Data Hogy 09/02/2019 18:20:05 Setting battery group number Snmp Client 19/218:107:10 Bittory Data Hogy 09/02/2019 18:20:05 Setting battery group number Snmp Client 19/218:107:10 Bittory Data Hogy 09/02/2019 18:20:05 <t< td=""><td>1</td></t<>	1
Event action Schedulds Schedulds Schedulds Schedulds Schedulds Schedulds 09/02/2019 18:19:49 Setting battery group number Snmp Client 12/18:07:10 Schedulds 09/02/2019 18:19:49 Setting battery group number Snmp Client 19/21:88:107:10 Schedulds 09/02/2019 18:19:49 Setting battery group number Snmp Client 19/21:88:107:10 Schedulds 09/02/2019 18:19:49 Setting battery group number Snmp Client 19/21:88:107:10 Schedulds 09/02/2019 18:19:57 Setting battery group number Snmp Client 19/21:88:107:10 Schedulds 09/02/2019 18:20:05 Setting battery group number Snmp Client 19/21:88:107:10 Boild 09/02/2019 18:20:05 Setting battery group number Snmp Client 19/21:88:107:10 Boild 09/02/2019 18:20:05 Setting battery group number Snmp Client 19/21:88:107:10 Boild 09/02/2019 18:20:05 Setting battery group number Snmp Client 19/21:88:107:10 Boild 09/02/2019 18:20:17 Setting battery group number Snmp Client 19/21:88:107:10 <td>1</td>	1
System time Simple Simple Simple Simple System time 09/02/2019 18:19:45 Setting battery group number Smmp Client 19/21:88:107:10 SNP 09/02/2019 18:19:43 Setting battery group number Smmp Client 19/21:88:107:10 Event log 09/02/2019 18:19:53 Setting battery group number Smmp Client 19/21:88:107:10 Dearring 09/02/2019 18:19:57 Setting battery group number Smmp Client 19/21:88:107:10 Setail Port Debug 09/02/2019 18:20:01 Setting battery group number Smmp Client 19/21:88:107:10 90/02/2019 18:20:01 Setting battery group number Smmp Client 19/21:88:107:10 90/02/2019 18:20:01 Setting battery group number Smmp Client 19/21:88:107:10 90/02/2019 18:20:01 Setting battery group number Smmp Client 19/21:88:107:10 90/02/2019 18:20:01 Setting battery group number Smmp Client 19/21:88:107:10 90/02/2019 18:20:17 Setting battery group number Smmp Client 19/21:88:107:10 90/02/2019 18:20:21 Setting battery group number Smmp Client	1
System time SNMP configuration 00/02/2019 18:19:49 Setting battery group number Stmp Clent 192:188:107:10 Event log Dark log 00/02/2019 18:19:57 Setting battery group number Snmp Clent 192:188:107:10 Firem log 00/02/2019 18:19:57 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:19:57 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:20:01 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:20:09 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:20:09 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:20:09 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:20:09 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:20:17 Setting battery group number Snmp Clent 192:188:107:10 Biolog 00/02/2019 18:20:12 Setting battery group number Snmp Clent	1
Los Description Description Description Description Event log Data log 09/02/2019 18:19:57 Setting battery group number Snmp Client 19/218:07:10 Holp 09/02/2019 18:20:01 Setting battery group number Snmp Client 19/218:07:10 Boild Control List 20:09 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:09 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:09 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:09 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:17 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:12 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:12 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:12 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:21 Setting battery group number Snmp Client 19/218:07:10 09/02/2019 18:20:21	1
Event log Data roly Op/02/2019 18.20.01 Setting battery group number Snmp Client 192.168.107.10 Holp 09/02/2019 18.20.05 Setting battery group number Snmp Client 192.168.107.10 Serial Port Debug Firmware Upgrade 09/02/2019 18.20.05 Setting battery group number Snmp Client 192.168.107.10 09/02/2019 18.20.01 Setting battery group number Snmp Client 192.168.107.10 09/02/2019 18.20.13 Setting battery group number Snmp Client 192.168.107.10 09/02/2019 18.20.17 Setting battery group number Snmp Client 192.168.107.10 09/02/2019 18.20.21 Setting battery group number Snmp Client 192.168.107.10 09/02/2019 18.20.21 Setting battery group number Snmp Client 192.168.107.10 09/02/2019 18.20.26 Setting battery group number Snmp Client 192.168.107.10 09/02/2019 18.20.26 Setting battery group number Snmp Client 192.168.107.10	1
Data big 09/02/2019 18:20:05 Setting battery group number Snmp Client 192:168:107.10 Serial Port Debug Firmware Ubgrade 09/02/2019 18:20:09 Setting battery group number Snmp Client 192:168:107.10 09/02/2019 18:20:13 Setting battery group number Snmp Client 192:168:107.10 09/02/2019 18:20:17 Setting battery group number Snmp Client 192:168:107.10 09/02/2019 18:20:17 Setting battery group number Snmp Client 192:168:107.10 09/02/2019 18:20:21 Setting battery group number Snmp Client 192:168:107.10 09/02/2019 18:20:24 Setting battery group number Snmp Client 192:168:107.10 09/02/2019 18:20:25 Setting battery group number Snmp Client 192:168:107.10 09/02/2019 18:20:26 Setting battery group number Snmp Client 192:168:107.10	1
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Secial Port Debug Firmware Upgrade 000/22/019 18:20:13 Setting battery group number Smmp Client 192:168:107:10 900/22/019 18:20:17 Setting battery group number Smmp Client 192:168:107:10 090/22/019 18:20:17 Setting battery group number Smmp Client 192:168:107:10 090/22/019 18:20:17 Setting battery group number Smmp Client 192:168:107:10 090/22/019 18:20:21 Setting battery group number Smmp Client 192:168:107:10 090/02/2019 18:20:26 Setting battery group number Smmp Client 192:168:107:10	1
Firmware Upgrade 09/02/2019 18:20:17 Setting battery group number Simp Clent 192:168:107.1 09/02/2019 18:20:21 Setting battery group number Snmp Clent 192:168:107.1 09/02/2019 18:20:22 Setting battery group number Snmp Clent 192:168:107.10 09/02/2019 18:20:26 Setting battery group number Snmp Clent 192:168:107.10	1
09/02/2019 18:20:17 Setting battery group number Smmp Client 19/21/88 107.10 09/02/2019 18:20:21 Setting battery group number Smmp Client 19/21/88 107.10 09/02/2019 18:20:26 Setting battery group number Smmp Client 19/21/88 107.10 09/02/2019 18:20:26 Setting battery group number Smmp Client 19/21/88 107.10	1
09/02/2019 18:20:26 Setting battery group number Snmp Client 192.168.107.10	1
	1
	1
09/02/2019 18:20:30 Setting battery group number Snmp Client 192.168.107.10	1
09/02/2019 18:20:34 Setting battery group number Snmp Client 192:168:107.10	1
09/02/2019 18:20:38 Setting battery group number Snmp Client 192 168:107.10	1
09/02/2019 18:20:42 Setting battery group number Snmp Client 192.168.107.10	1

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.

IP Web Pro 1.1								<u>.</u>	
						Da	ata log ^{Login}	Guest	
Information	2010_01_01.csv ¥ A	pply Delete							
Status Basic information	Time	Input voltage(V)	Output voltage(V)	1 2 Output frequency(Hz)	Load(%)	Battery voltage(V)	Temp.(°C)	EMD Temp.(°C)	EMD humidity(%)
UPS setting	2010/01/01 00:06:25		0.0	0.0	0	39.5	26.8	Ewild Temp.(C)	EMD numuity(%)
arameters setting	2010/01/01 00:07:25		0.0	0.0	0	39.5	26.0		
	2010/01/01 00:08:25		229.6	50.0	2	39.5	27.0		
Control	2010/01/01 00:08:25		230.0	49.9	2	39.5	26.7		
Real-time control	2010/01/01 00:09:25		229.7	49.9	2	39.5	26.6		
tem configuration	2010/01/01 00:10:25		230.1	50.0	1	39.5	26.5		
Web E-mail	2010/01/01 00:12:25		229.5	49.9	1	39.5	26.7		
SMS	2010/01/01 00:12:25		229.0	49.9	2	39.5	26.7		
Upload	2010/01/01 00:13:25		230.5	49.9 50.0	2	39.5	26.7		
Wake on LAN Shutdown	2010/01/01 00:14:25		229.2	49.9	2	39.5	20.0		
Event action	2010/01/01 00:15:26		229.2	50.0	2	39.5	26.8		
Scheduled	2010/01/01 00:17:26		229.9	50.0	2	39.5	26.8		
System time NMP configuration	2010/01/01 00:17:26		229.5	49.9	2	39.5	20.8		
Log	2010/01/01 00:18:26		229.5	49.9 50.0	2	39.5	27.1		
Event log	2010/01/01 00:19:28		229.3	50.0	2	39.5	26.8		
Data log	2010/01/01 00:20:27		230.1	50.0	2	39.5	26.6		
Help	2010/01/01 00:21:27		229.5	50.0	2	39.5	26.0		
Serial Port Debug	2010/01/01 00:22:28		229.5	50.0	2	39.5	26.7		
irmware Upgrade	2010/01/01 00:23:28 2010/01/01 00:24:28		229.6	50.0		39.5	26.7		
					1		26.7		
	2010/01/01 00:25:28		229.6	50.0	2	39.5			
	2010/01/01 00:26:28		229.6	50.0	2	39.5	26.8		
	2010/01/01 00:27:29		230.3	50.0	1	39.5	27.0		
	2010/01/01 00:28:29		230.1	50.0	1	39.5	27.1		
	2010/01/01 00:29:29		229.3	49.9	1	39.5	26.7		
	2010/01/01 00:30:29	218.9	229.0	49.9	2	39.5	27.0		

Chart 3-16

3.6. Help

3.6.1. Serial Port Debug

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

Select Help >> Serial Port Debug . Refer to Chart 3-17.

SNMP Web Pro 1.1		Serial Port DebugLogin Guest
Information Send content Status Output window: UP3 setting Control Parameters setting Control Real-time control System configuration Web E-mail SMS SMS WhotaNN Shutdown Structure Scheduled System configuration Event log Data log Log Event log Data log Hoin Senal Port Debug	QPI Send	Clear

3.6.2. Firmware Upgrade

It is recommended to enable the SSH before the update, refer to 3.4.9.

Select Help >> Firmware Upgrade . Refer to Chart 3-18.

SNMP Web Pro 1.1	Ermware Upgradelogin Guest	
Information Status Basic information UPS secting Parameters setting Control System configuration Web Egnal Upland Wake on LAN Shutdown Event action Scheduled System time SNM Configuration Event action Scheduled System time Data log Help Said De Dobus Firmware Upgrade	select No file selected! "When upgrade successful the system will reboot.	

Chart 3-18

Disable the SSH after the update.

4. Service list

Service	Purpose	Default	Port	Port	UDP/T	Direc
		configuratio		modificatio	СР	tion
		n		n		
Informatio	For management software	Enabled	51220	Disabled	UDP	In
n	(such as SNMP Web					

	Manager) to obtain information about SNMP Web Pro, such as IP, MAC, gateway, DNS, etc.					
HTTP	Obtain the related information and set the parameters of the monitored device through the HTTP protocol.	Disabled	80	Enabled	ТСР	In
HTTPS	Obtain the related information and set the parameters of the monitored device through the HTTPS protocol.	Enabled	443	Enabled	ТСР	In
Telnet	Remote login system.	Disabled	23	Disabled	TCP	In
SSH	Use SNMP Web Manager for firmware upgrade, modify network parameters, etc.	Disabled	22	Disabled	TCP	In
SNMP	Obtain the related information and set the parameters of the monitored device through the SNMP protocol.	Enabled	161	Enabled	UDP	In
SNMP trap	Send SNMP traps when events occur on the monitored device.	Enabled	162	Enabled	UDP	Out
Easy shutdown	Shut down the host of the specified IP. Use with the ShutdownWizard.	Disabled	31234	Disabled	UDP	Out
Encrypted Shutdown	Shut down the host of the specified IP. Use with the ShutdownWizard.	Disabled	41234	Disabled	ТСР	Out
SMS	Send SMS when events occur on the monitored device. Usually used with SNMP Web Manager.	Disabled	41222	Enabled	UDP	Out
SNTP	Get time from the time server.	Enabled	123	Disabled	UDP	Out
Email	Send emails when events occur on the monitored device.	Disabled	465	Enabled	TCP	Out

Cyber Security Legal Disclaimer

This product is designed to be connected to and to communicate information and data via a network interface. It is your sole responsibility to provide and continuously ensure a secure connection between product and your network or any other network (as the case may be). You establish and maintain any appropriate measures (such as but not limited to the installation firewalls, application of authentication measures, encryption of data, installation of anti-virus programs etc.) to protect the product, the network, its system and the interface against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information ABB Ltd and its affiliates are not liable for damages and/or losses related to such security breaches any unauthorized access, interference, intrusion, leakage and/or theft of data or information.