

Qoltec[®]



User Manual

SNMP Module for UPS

Model: 50389

About the product

The SNMP Web card can provide a web server for monitoring and managing multiple UPS units in a network environment, including via LAN and the Internet. It enables the detection of ambient temperature and humidity when connected to an EMD (Environmental Monitoring Device).

When integrated with Shutdown Wizard, the card can not only prevent data loss caused by a power failure and safely shut down systems, but also store configuration data and schedule UPS shutdowns. All UPS warning and error logs can be stored on the SNMP Web card.

When integrated with ViewPower Pro software, it is possible to monitor and remotely access all distributed SNMP Web cards on a LAN or via the Internet. Detailed operating instructions can be found in the ViewPower Pro user manual.

Safety information

1. Before starting the installation and configuration of the SNMP Web card, please read this manual and the UPS user manual carefully. The device must only be used for its intended purpose.
2. The SNMP card must be installed with the UPS switched off, in accordance with the manufacturer's instructions. Before installation, ensure that the device is disconnected from the mains supply and that all connected loads have been safely switched off.
3. Do not modify the device yourself, open its casing or tamper with the electronic components. Incorrect installation or use may cause damage to the SNMP card, the UPS or the connected devices.
4. The SNMP Web card must be protected from moisture, flooding, excessive dust, high temperatures and direct sunlight. The device should be operated in a dry, well-ventilated location, in accordance with the environmental conditions specified by the manufacturer.
5. Only use cables and accessories that comply with the device's requirements for connection. Do not connect damaged Ethernet, RS-232, USB or environmental sensor cables.
6. During network configuration, secure access to the SNMP Web interface with a password. After the initial start-up, it is recommended that you

change the default administrator password to reduce the risk of unauthorised access to the UPS settings.

7. The functions for remotely switching off the UPS and computers, as well as alarm notifications, must be configured with care. Incorrect settings may cause unexpected power shutdowns or shutdowns of connected systems.
8. If you notice any malfunction, damage to the device, a burning smell, excessive heating or communication problems, stop using the device and contact the service department or the device supplier.

Features

- 1) Monitoring via a web browser.
- 2) SNMP MIB support for UPS status monitoring.
- 3) Automatic detection and switching of 10M/100M Fast Ethernet.
- 4) Support for Wake-on-LAN.
- 5) Support for protocols such as TCP/IP, UDP, SNMP, SMTP, SNTP, HTTP, etc.
- 6) Integration with Shutdown Wizard, enabling prevention of data loss caused by power outages and safe system shutdown.
- 7) Support for logging and exporting event logs, including UPS warnings, UPS errors and EMD warnings.
- 8) Support for logging and exporting the data log.
- 9) Support for daily reports for the event log and data log.
- 10) Scheduling of UPS power on/off and battery test.

Structure

Figure 1 in the appendix

1. Ethernet port (10/100Base-T)
2. Sensor port
3. Edge connector: connects to the UPS socket
4. Ethernet port status LEDs

Figure 2 in the appendix

1. Ethernet port (10/100Base-T)
2. RS-232 port
3. 5 V DC power input
4. Data reception indicator
5. Data transmission indicator
6. Power indicator

Ethernet port status LEDs:

100M LED — 100M LED (green)	Flashing	port is operating at 100 Mbit/s
	Off	The card is not connected to the network
10M LED — 10M LED (yellow)	Flashing	port is operating at 10 Mbit/s
	Off	The card is not connected to the network

Installation and connection

Installation

If an SNMP card is being used, first follow the steps below to install it:

Step 1: Remove the cover of the smart socket located on the rear panel of the UPS and keep the screws.

Step 2: Slide the card into the open slot and secure it with the screws removed in step 1. See *Figure 3 in the appendix*.

Refer to Figure 4 in the appendix to connect the SNMP Web card, and Figure 5 in the appendix to connect the SNMP Box module.

If using the SNMP card: Connect an Ethernet cable to the Ethernet port (RJ-45) on the SNMP card. Use an additional Ethernet cable. Connect one end to the sensor port on the SNMP card and the other end to an optional environmental monitoring device.

If an SNMP Box module is used: Use a single Ethernet cable to connect it to the Ethernet port (□) on the module. Use a single RJ45 cable to connect the module's RS-232 port (□) to the UPS's RS-232 port. Then use the supplied USB cable to connect the module's USB port to a 5 V DC USB power source.

Configuration

a) Install the SNMP Web Manager wizard on your computer. Once the software has been successfully installed, the installer will create a shortcut icon on the desktop.

Figure 6 in the appendix

b) Enter a specific IP address to search for all SNMP devices on the LAN.

By default, SNMP Web Manager will automatically obtain an IP address from the server via the DHCP server. If there is no DHCP server, the default IP address 192.168.102.230, the default subnet mask 255.255.255.0 and the default gateway 0.0.0.0 will be used.

Figure 7 in the appendix

c) You can change the IP address settings, perform an online update, manage your password and configure a static trap address via the SNMP Web Manager interface. You must enter your password whenever you modify the settings. The default password is 12345678.

Detailed information on configuration can be found in the SNMP Web Manager user manual.

Monitoring

There are two ways to monitor:

- a) Double-click the selected device in the device list (*see Figure 7 in the appendix*) to open the web page, as shown in *Figure 8 in the appendix*.
- b) Install the ViewPower Pro software to monitor the SNMP Web card. *See Figure 9 in the appendix*.

Detailed information on monitoring can be found in the ViewPower Pro user manual.

SNMP Web Card GUI

The SNMP Web card GUI interface comprises a function menu, a login section and a main screen. *See Figure 10 in the appendix*:

A. Version of the SNMP Web card GUI

B. **Function menu:** Contains a complete set of tools for navigating and configuring the GUI.

C. **Main screen:** Displays information and/or available control options according to the selected function menu item.

D. **Login section:** Displays the type of user currently logged into the system. The default administrator password is "12345678".

Function menu

Information

Status

Select Information >> Status. See Figure 11 in the appendix.

The table displays real-time UPS data, including information on the input, output, UPS power supply, battery and operating environment.

Basic Information

Select Information >> Basic Information. This section contains basic information about the UPS, battery information and UPS specifications. See Figure 12 in the appendix.

UPS Settings

Parameter settings

Some UPS functions can be configured and modified using the software. Parameter settings include setting the runtime for the programmable output socket (P1), setting the number of batteries, setting the voltage and frequency range for bypass mode, and setting the voltage range for ECO mode.

Select UPS Settings >> Parameter Settings. See Figure 13 in the appendix.

Note: Different UPS models may have access to different parameter settings.

Select functions by clicking the 'Enable' or 'Disable' button. Change values by clicking the up/down arrows, or enter them directly in the numerical value column.

Click the 'Apply' button to save the settings. The settings for each function must be saved by clicking the 'Apply' button in the relevant section.

Click the 'Default' button to restore the default settings.

Note: Functions that are not supported by the UPS in question will not be available.

Alarm Control:

If the function is enabled, the UPS alarm will be active. If the function is disabled, the alarm will not be active.

☐Alarm at bypass mode.

If this function is enabled, the UPS will trigger an alarm whilst operating in bypass mode. If this function is disabled, the alarm will not be triggered.

Alarm at battery mode.

If the function is disabled, the UPS will not trigger an alarm whilst operating in battery mode. If the function is enabled, the alarm will be triggered.

Auto reboot.

If this function is enabled, the UPS will automatically resume operation when AC power is restored. If this function is disabled, automatic resumption of operation will not occur.

Bypass when UPS is off.

If this function is enabled, the AC mains will supply power directly to connected devices when the UPS is switched off. If this function is disabled, power will not be supplied in this way.

Converter mode.

If this function is enabled, the UPS will operate in converter mode. If this function is disabled, converter mode will not be active.

ECO mode.

If this function is enabled, the UPS will operate in ECO mode when the input voltage is within the acceptable range. If this function is disabled, ECO mode will not be active.

Battery open status check.

If this function is enabled, the monitored UPS will check that the battery connection is correct upon start-up.

Cold start.

If this function is disabled, the UPS can only be switched on when the AC power supply is correctly connected to the UPS. If this function is enabled, the UPS can be started without the AC power supply being connected.

Bypass not allowed.

If this function is enabled, the UPS will not switch to bypass mode under any circumstances. If this function is disabled, the UPS will be able to switch to bypass mode in accordance with the UPS's internal settings.

Battery deep-discharge protection.

If this function is enabled, the monitored UPS will shut down in accordance with the battery status and load in battery mode to protect the battery. If this function is disabled, this protection will not be active.

Site fault detection.

If this function is enabled, the monitored UPS will emit an audible alarm if the neutral and live wires at the input are connected in reverse. If this function is disabled, the warning signal will not be triggered.

P1 Programmable outlet control (battery mode).

If the function is enabled, whilst the UPS is operating in battery mode, power to the P1 sockets will be cut off after the set backup time has elapsed. If the function is disabled, the UPS will continue to supply power to the P1 sockets until the battery is discharged.

Outlet setting.

The user can set a limited backup time for the P1 sockets when the UPS is operating in battery mode.

Battery numbers setting.

Allows you to set the number of batteries connected in parallel.

Voltage and frequency range for bypass mode.

Allows you to set the permissible voltage and frequency range in bypass mode.

Maximum and minimum voltage.

When the UPS is operating in bypass mode and the input voltage is outside the set range, the UPS will switch to battery mode.

Maximum and minimum frequency.

When the UPS is operating in bypass mode and the input frequency is outside the set range, the UPS will switch to battery mode.

Voltage range for ECO mode.

Allows you to set the permissible voltage range for ECO mode.

Control

Real-time control

Select Control >> Real-time control. Figure 14 in the appendix.

You can control the UPS in real time by performing the following operations:

UPS On/Off: Switching the UPS on/off. Click 'On' to switch the UPS on, and 'Off' to switch the UPS off immediately.

Battery Self-Test.

Three types of battery self-test are available: 10-second self-test, deep discharge test and user-defined self-test. Simply click the "Start" button next to the selected test type. The self-test will be performed immediately.

System Configuration

Web User

This section allows you to configure access permissions for the SNMP Web tab. Enter your access ID and password in the appropriate fields. By default, there are no access control restrictions. See Figure 15 in the appendix.

Email

It is possible to send alarm messages via an SMTP server. To use this function, the email service must be correctly configured. All fields on this page are blank by default. This operation cannot be performed without SMTP details, an email account and a password. Furthermore, the sender's account must have SMTP/POP3 forwarding enabled.

Select System Configuration >> Email. See Figure 16 in the appendix.

1. Enter the SMTP server, SMTP port, sender's email address, username and password. Tick the 'Need Auth' (Authentication required) checkbox to enable password verification.
2. Enter the correct email accounts in the recipient list. Then click "Apply" to add them to the recipient list. Click the "Delete" button to remove an email account.

3. Click "Apply" to save the changes. The "Test" button can be used to send a test email to all recipients to confirm that everything is working correctly. Once the test emails have been successfully sent to the specified recipients, a success message will appear on the user's computer. Otherwise, an error dialogue box will appear, informing you that the settings are incorrect.
4. You can specify who will receive a daily email report at a specific time. Enter the recipient's email address and the time in the relevant columns. Then click the 'Apply' button to configure this action. You can also configure who will receive an alert email when the event log exceeds 100 entries or the data log exceeds 50 entries. To do this, tick the relevant checkboxes.

SMS

This feature requires service software such as ViewPower Pro to be available. In the event of an alarm condition, a message regarding the UPS status will be sent to specified users via mobile phone. *See Figure 17 in the appendix.*

Wake on LAN

This function is used to remotely wake up specific computers on the LAN if these computers support the Wake-on-LAN (WOL) function using a so-called magic packet.

Select System Configuration >> Wake on LAN. See Figure 18 in the appendix.

Once you have entered the MAC addresses of the remote computers in the address column, you will be able to control the computers remotely. However, hardware support on the remote computers is also required to use this function.

Shutdown

This function is used to remotely shut down specific computers using the Shutdown Wizard. It is only available after integration with the Shutdown Wizard. Detailed information can also be found in the Shutdown Wizard user manual.

Select System Configuration >> Shutdown. See Figure 19 in the appendix.

Event handling

This function is only available after integration with Shutdown Wizard. Detailed information can also be found in the Shutdown Wizard user manual.

Select System Configuration >> Event Handling. See Figure 20 in the appendix.

Shutdown the PC while battery mode.

When this option is selected, and when integrated with Shutdown Wizard, the local computer will be shut down when the UPS is operating in battery mode.

Time needed for shutting down the PC. Enter the delay time for shutting down the operating system.

The computer should:

Shutdown. When this box is ticked, the selected system will be shut down. This is the default setting.

Sleep mode. When this box is ticked, the selected system will be put to sleep instead of being shut down normally. This feature is only supported by Windows 2000 or later on compatible hardware.

Also power off the UPS after shutting down the PC.

When this box is ticked, the monitored UPS will be switched off after the local system has been shut down. The UPS will switch off later than the system's full shutdown time. You can choose to shut down the system without switching off the UPS.

Shutdown UPS output after xx sec/Shut down the UPS output after xx seconds.

The UPS output will be disconnected after the monitored UPS has been operating in battery mode for xx seconds.

Shutdown the PC while low battery

If this box is ticked, the local computer will be shut down when the battery level of the monitored UPS is low.

Wake on LAN while AC recovery.

If this box is ticked, the local computer will be woken up via Wake on LAN when AC power is restored.

Send E-mail while any UPS event occurs.

If this box is ticked, an alarm email will be sent when any event occurs on the local UPS.

Send SMS when any UPS event occurs.

When this box is ticked, in the event of an alarm condition, a message regarding the UPS status will be sent to specified users via mobile phone.

EMD alarming temperature upper limit.

Set the high temperature alarm threshold. If the detected temperature exceeds the set value, an alarm message will be sent.

EMD alarming humidity upper limit.

Set the high humidity alarm threshold. If the detected humidity exceeds the set value, an alarm message will be sent.

Data record interval xx sec/Data recording interval xx seconds.

The data log records data every xx seconds.

Schedule

Select System Configuration >> Schedule. See Figure 21 in the appendix.

Scheduled battery self-test.

The scheduled battery self-test can be performed once, daily, weekly or monthly. The user can select the UPS and time parameters. It is recommended to set only one task at a time. If several tasks are set at the same time, some of them may be ignored. Any task will be ignored if it is not supported by the UPS.

Scheduled UPS on/off.

Scheduled UPS on/off can be performed once, daily or weekly. The user can select the UPS and time parameters. It is recommended to set only one action at a time. If several actions are set at the same time, some of them may be ignored. Any action will be ignored if it is not supported by the UPS.

System Time

Select System Configuration >> System Time. See Figure 22 in the appendix.

Automatic time correction interval

Time server: Time server.

The IP address or domain name of the SNTP server.

Time Zone (Relative to GMT): Time zone relative to GMT.

Applying daylight saving time: Application of daylight saving time.

System Time (mm/dd/yyyy hh:mm): System time (mm/dd/yyyy hh:mm). Used to set the local time of the SNMP Web card host.

Auto Restart system for Every (0: Disable): XX Minute(s): Automatic system restart every XX minutes (0: disabled).

Manual Restart system after 30 Seconds.: Manual system restart after 30 seconds. After clicking the 'Apply' button, SNMP will restart after 30 seconds.

SNMP Configuration

Set basic SNMP Web card information, such as IP address, password, trap IP address, SNMP UDP port, and restore factory settings.

Note: Some operations will cause SNMP to restart. This is normal behaviour.

Select System Configuration >> SNMP Configuration. See Figure 23 in the appendix.

IP address: IP address. There are two methods for obtaining an IP address:

Obtain an IP address automatically (DHCP, default)

Manual IP address configuration

By default, the system obtains IP addresses automatically. If this service is not available on the LAN, the default IP address will be displayed as "192.168.102.230", the subnet mask as "255.255.255.0", and the default gateway as "0.0.0.0".

Password. Modify password. The password length is between 8 and 15 characters.

Trap IP address: Trap IP address. The SNMP device can support 4 static trap addresses.

SNMP UDP port: SNMP UDP port. You can change the SNMP port and the trap port.

Restore the factory settings: Restore factory settings.

Note: By default, the system automatically obtains IP addresses, and the default password is 12345678.

Log

Event Log

The Event Log window displays a list of all historical events, which can be saved as a .csv file. The event log includes UPS warnings, error information and EMD warnings. *See Figure 24 in the appendix.*

Select Log >> Event Log.

Data Log

The Data Log window displays a list of all historical records, which can be saved as a .csv file. *See Figure 25 in the appendix.*

Select Log >> Data Log.

Help

Serial port debugging

This function is used to test the communication status between the SNMP card and the device.

Select Log >> Event Log. See Figure 26 in the appendix.

Disposal

Do not dispose of the end-of-life device with household waste. The SNMP Web card and its components must be taken to an appropriate collection point for waste electrical and electronic equipment, in accordance with local waste disposal regulations.

Maintenance

The device does not require any specialist maintenance by the user. You should regularly check that the SNMP Web card is correctly installed in the UPS slot and that the communication cables are properly connected.

Use a dry, soft cloth to clean the external parts of the unit. Do not use water, detergents, solvents or chemicals that could damage the electronic components or the unit's casing.

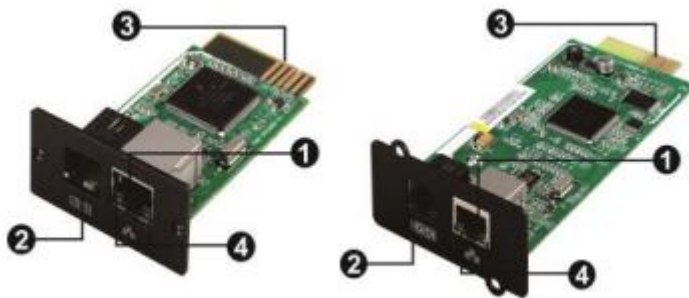
Warranty conditions

The device must be used in accordance with its intended purpose and the recommendations contained in this user manual. Incorrect installation, improper use, unauthorised modifications, mechanical damage or the use of unsuitable cables and accessories may affect the handling of any warranty claim.

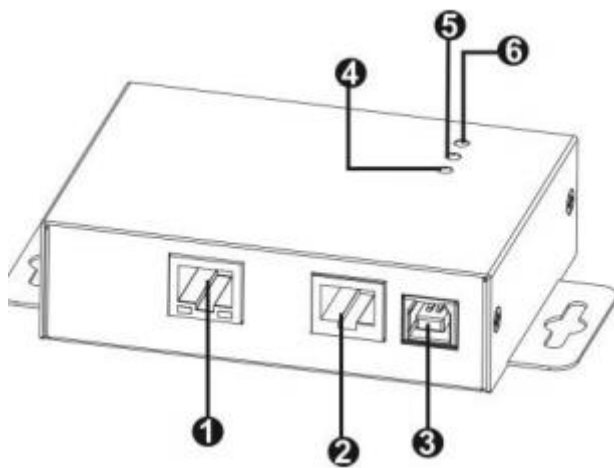
If the device is found to be malfunctioning, stop using it and contact the retailer or an authorised service centre. The detailed warranty terms are set out in the warranty document, proof of purchase or applicable legislation.

Attachment 1

1



2

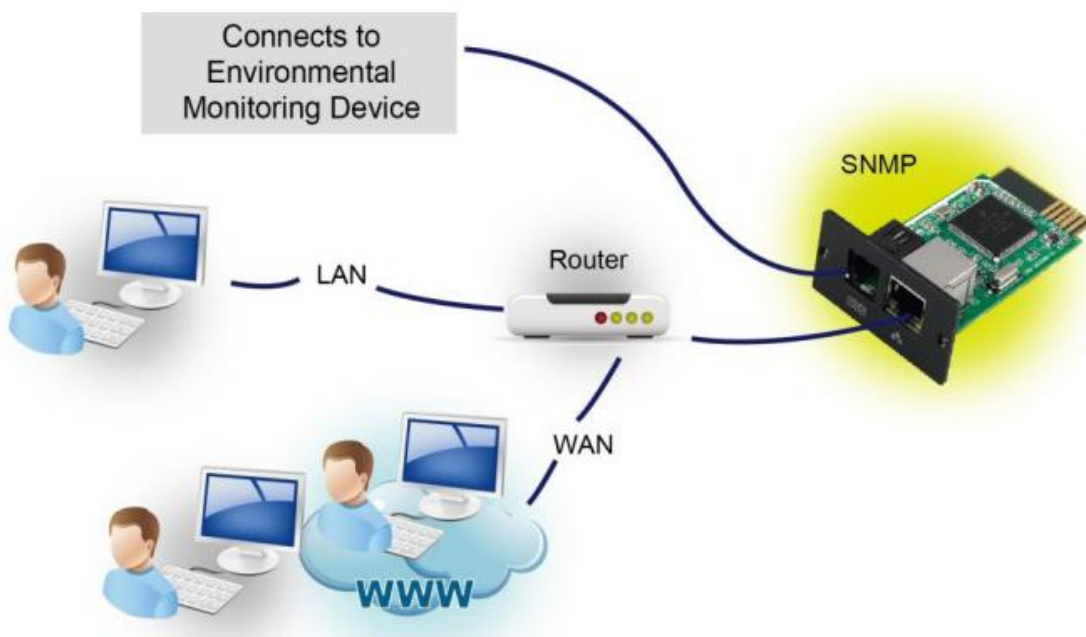


3

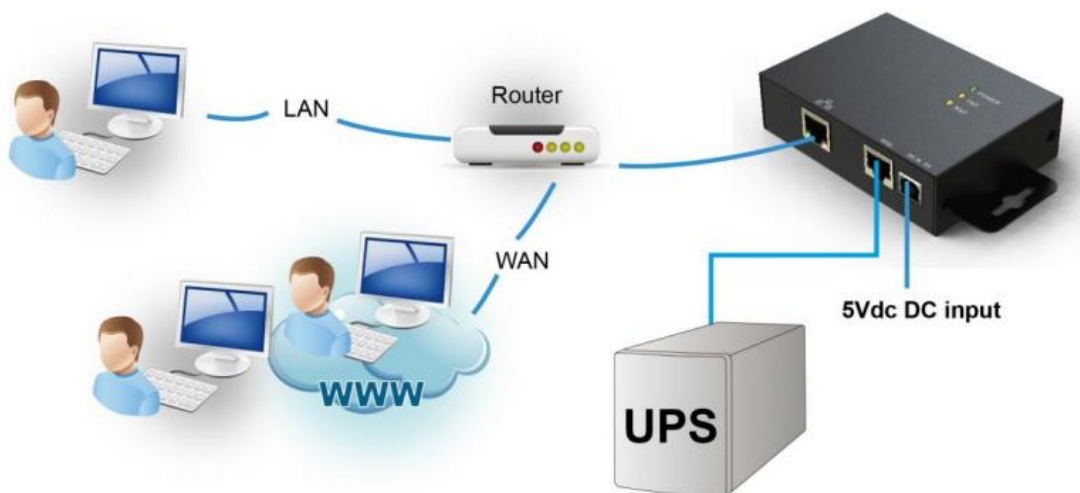




4



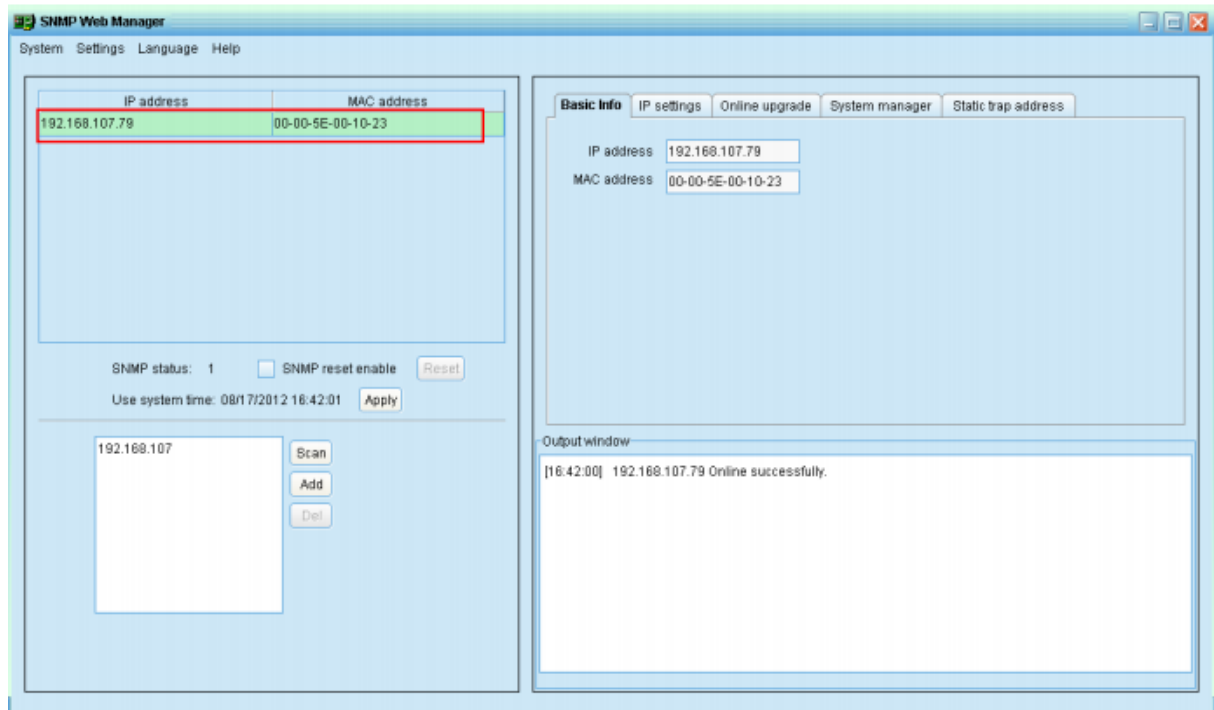
5



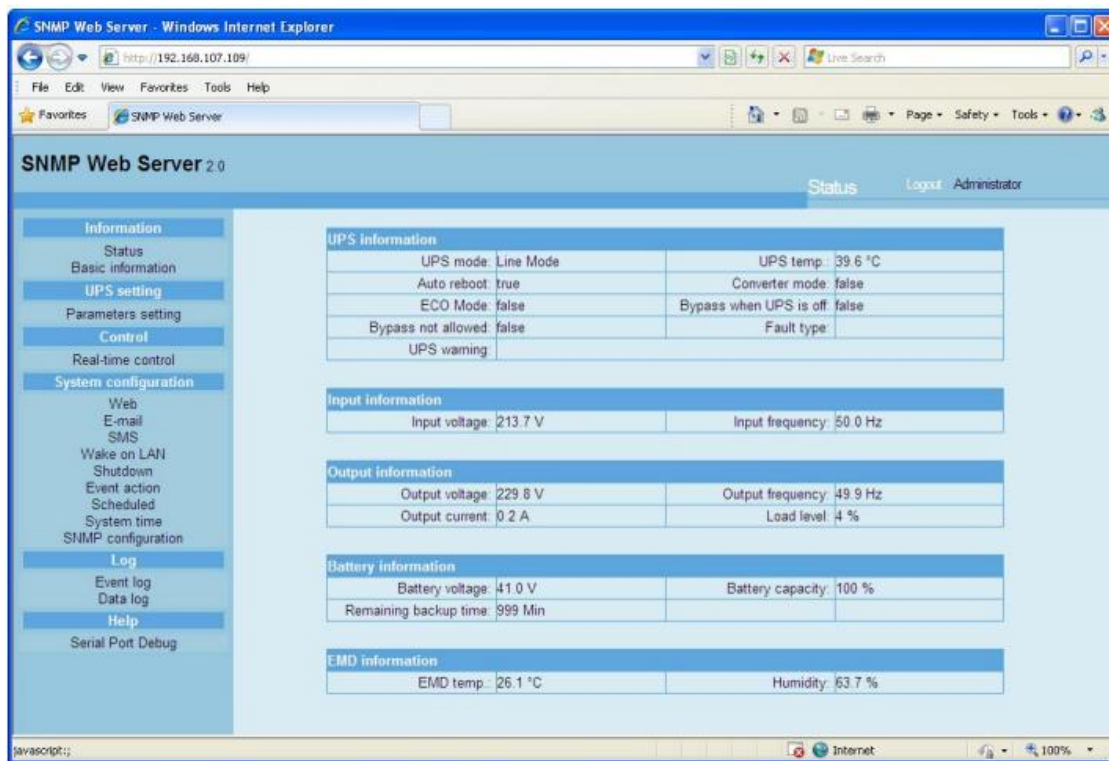
6



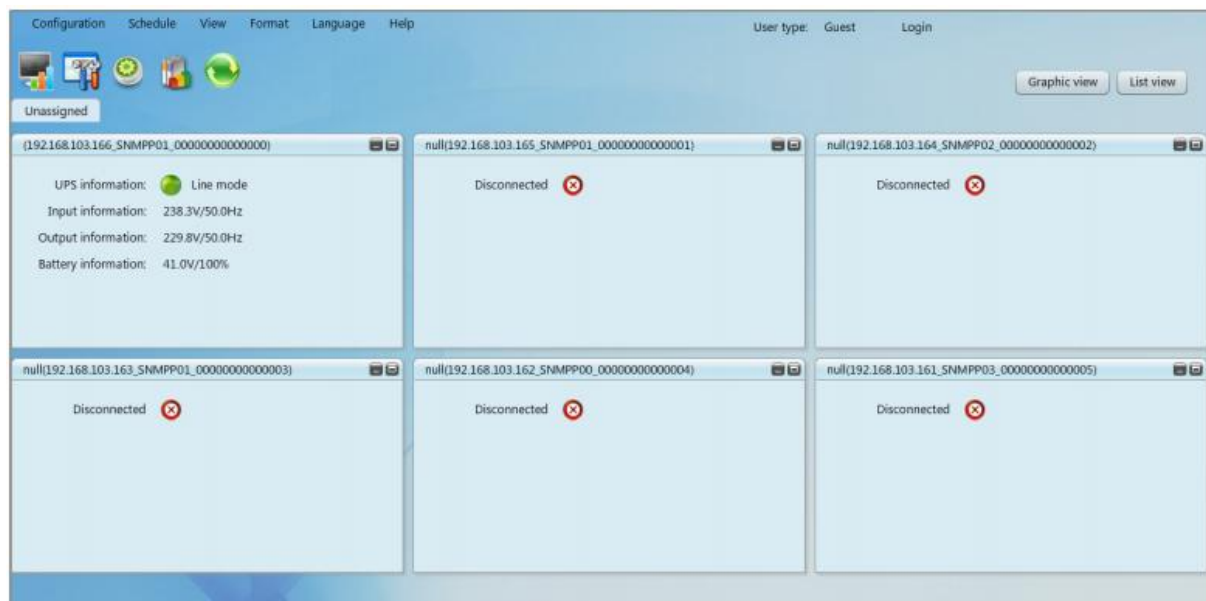
7



8



9



10

SNMP Web Server - Windows Internet Explorer

http://192.168.107.109/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

Status Logout Administrator

B Information

- Status
- Basic information
- UPS setting
- Parameters 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

C

UPS information

UPS mode:	Line Mode	UPS temp.:	39.6 °C
Auto reboot:	true	Converter mode:	false
ECO Mode:	false	Bypass when UPS is off:	false
Bypass not allowed:	false	Fault type:	
UPS warning:			

Input information

Input voltage:	213.7 V	Input frequency:	50.0 Hz
----------------	---------	------------------	---------

Output information

Output voltage:	229.8 V	Output frequency:	49.9 Hz
Output current:	0.2 A	Load level:	4 %

Battery information

Battery voltage:	41.0 V	Battery capacity:	100 %
Remaining backup time:	999 Min		

EMD information

EMD temp.:	26.1 °C	Humidity:	63.7 %
------------	---------	-----------	--------

javascript:;

Internet 100%

11

SNMP Web Server - Windows Internet Explorer

http://192.168.107.109/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

Status Logout Administrator

Information

- Status
- Basic information
- UPS setting
- Parameters 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

UPS information

UPS mode:	Line Mode	UPS temp.:	39.6 °C
Auto reboot:	true	Converter mode:	false
ECO Mode:	false	Bypass when UPS is off:	false
Bypass not allowed:	false	Fault type:	
UPS warning:			

Input information

Input voltage:	213.7 V	Input frequency:	50.0 Hz
----------------	---------	------------------	---------

Output information

Output voltage:	229.8 V	Output frequency:	49.9 Hz
Output current:	0.2 A	Load level:	4 %

Battery information

Battery voltage:	41.0 V	Battery capacity:	100 %
Remaining backup time:	999 Min		

EMD information

EMD temp.:	26.1 °C	Humidity:	63.7 %
------------	---------	-----------	--------

javascript:;

Internet 100%

12

SNMP Web Server - Windows Internet Explorer

http://192.168.107.109/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

Basic information Logout Administrator

Information

- Status
- Basic information
- UPS setting
- Parameters 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

Basic information

UPS type: G1K	Input phase/Output phase: 1/1
Input voltage/Output voltage: 230/230 V	UPS serial number: 12345678901234
UPS FW version: 00443.00	SNMP FW version: 9-00

Battery information

Battery group number: 3

UPS rated information

Rated VA: 1000.0 VA	Rated output voltage: 230.0 V
Rated output frequency: 50.0 Hz	Rated output current: 4.0 A
Rated battery voltage: 36.0 V	

Done

Internet 100%

13

SNMP Web Server - Windows Internet Explorer

http://192.168.107.109/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

Parameters setting Logout Administrator

Information

- Status
- Basic information
- UPS setting
- Parameters 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

Alarm control: ☐ Enable ☒ Disable

Alarm at bypass mode: ☒ Enable ☐ Disable

Alarm at battery mode: ☒ Enable ☐ Disable

Auto reboot: ☒ Enable ☐ Disable

Bypass when UPS is off: ☐ Enable ☒ Disable

Converter mode: ☐ Enable ☒ Disable

ECO mode: ☐ Enable ☒ Disable

Advanced ECO mode: ☐ Enable ☒ Disable

Green power function: ☐ Enable ☒ Disable

Cold start: ☒ Enable ☐ Disable

Bypass not allowed: ☐ Enable ☒ Disable

Battery deep-discharge protection: ☒ Enable ☐ Disable

Site fault detection: ☐ Enable ☒ Disable

P1 programmable outlet control: ☒ Enable ☐ Disable

Outlet setting

Backup time for P1(battery mode): Min

Battery numbers setting

Numbers in parallel:

Voltage and frequency range for bypass mode

Maximum voltage: V

Minimum voltage: V

Maximum frequency: Hz

Minimum frequency: Hz

Voltage range for ECO mode

Maximum voltage: V

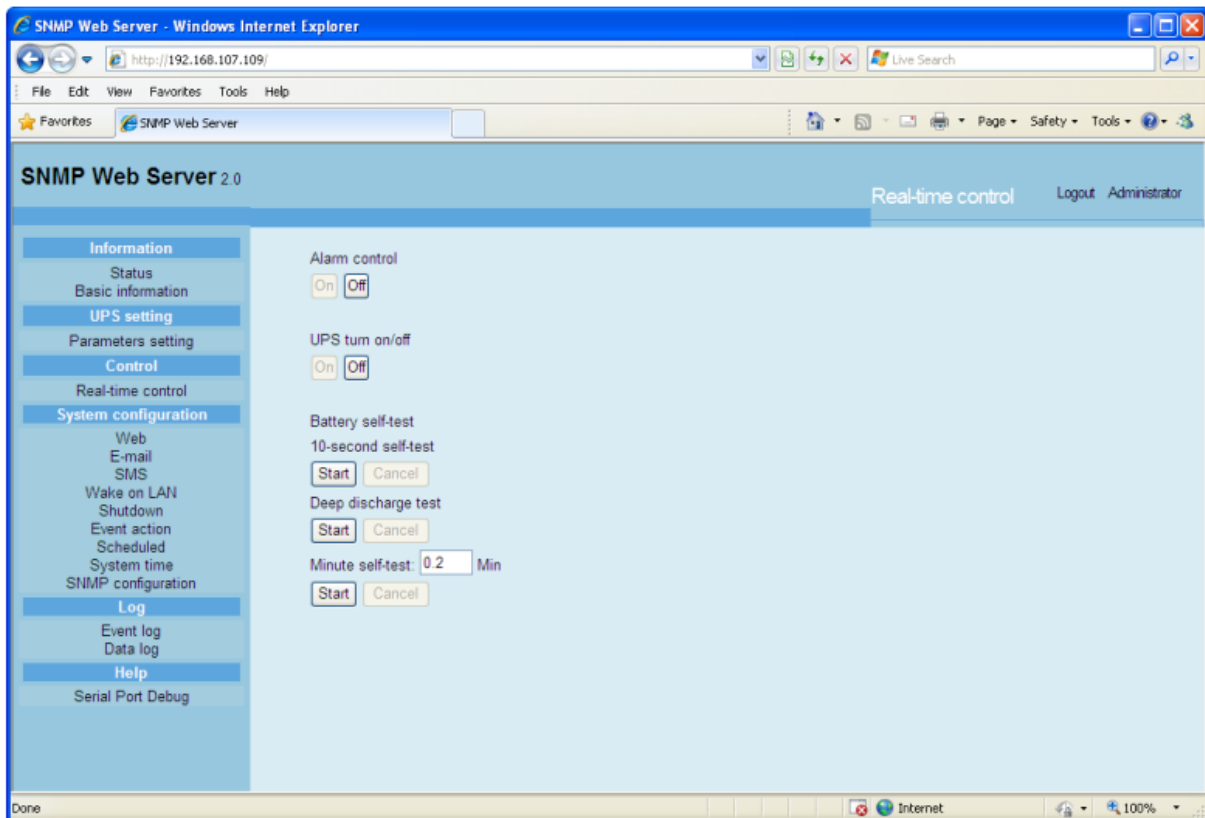
Minimum voltage: V

Default

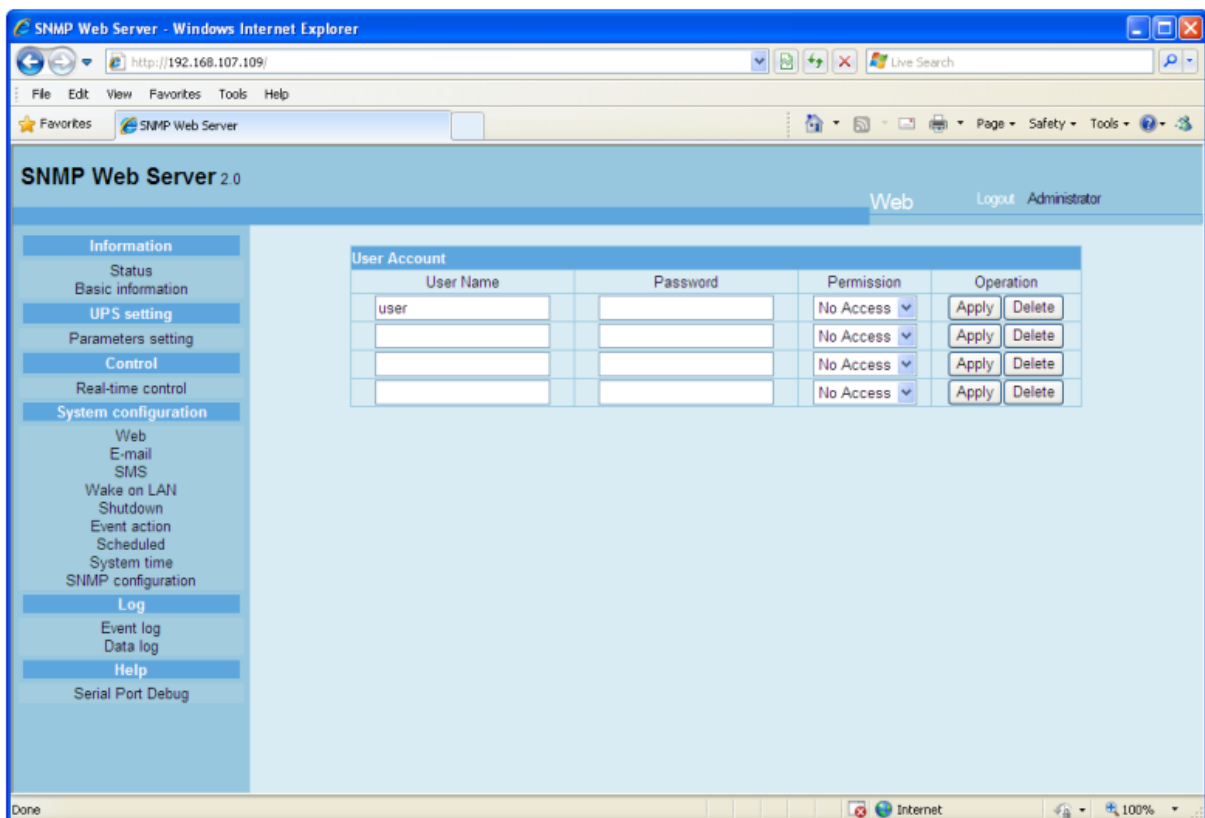
Done

Internet 100%

14



15



16

SNMP Web Server - Windows Internet Explorer

http://192.168.107.109/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

E-mail Logout Administrator

Information

- Status
- Basic information
- UPS setting**
- Parameters 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

SMTP server: SMTP.test.com

Port: 25

Send from: name@test.com

User name: name

☐ Need Auth

Password:

Note: After apply, you can click "Test" button to send a test message.

Receive 1: Apply Delete

Receive 2: Apply Delete

Receive 3: Apply Delete

Receive 4: Apply Delete

Forgot Password: Apply Delete

Apply Test

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 (100 records): ☐

Send Email when Data Log overflows (500 records): ☐

Apply

javascript;

Internet 100%

17

SNMP Web Server - Windows Internet Explorer

http://192.168.107.109/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

SMS Logout Administrator

Information

- Status
- Basic information
- UPS setting**
- Parameters 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

SMS server: 192.168.107.11

Port: 41222

Account name:

Password:

Note: After apply, you can click "Test" button to send a test message.

Receive 1: Apply Delete

Receive 2: Apply Delete

Receive 3: Apply Delete

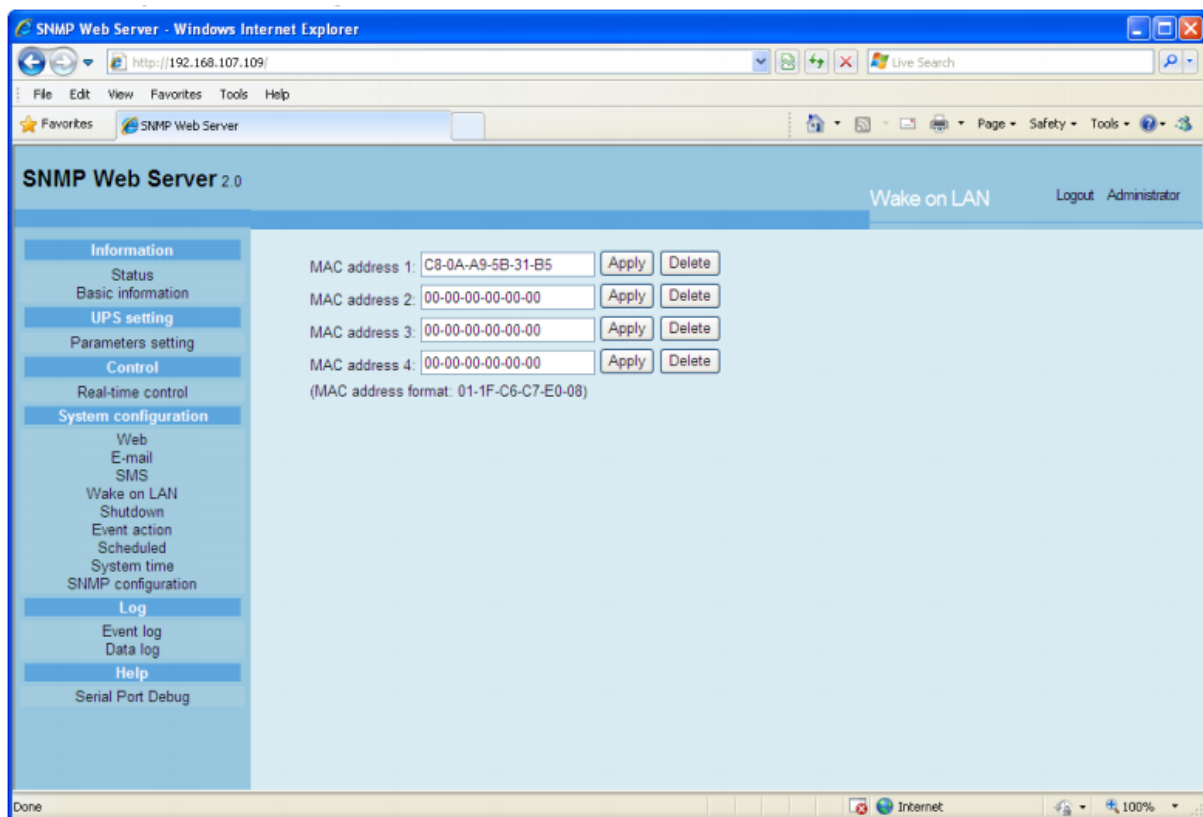
Receive 4: Apply Delete

Apply Test

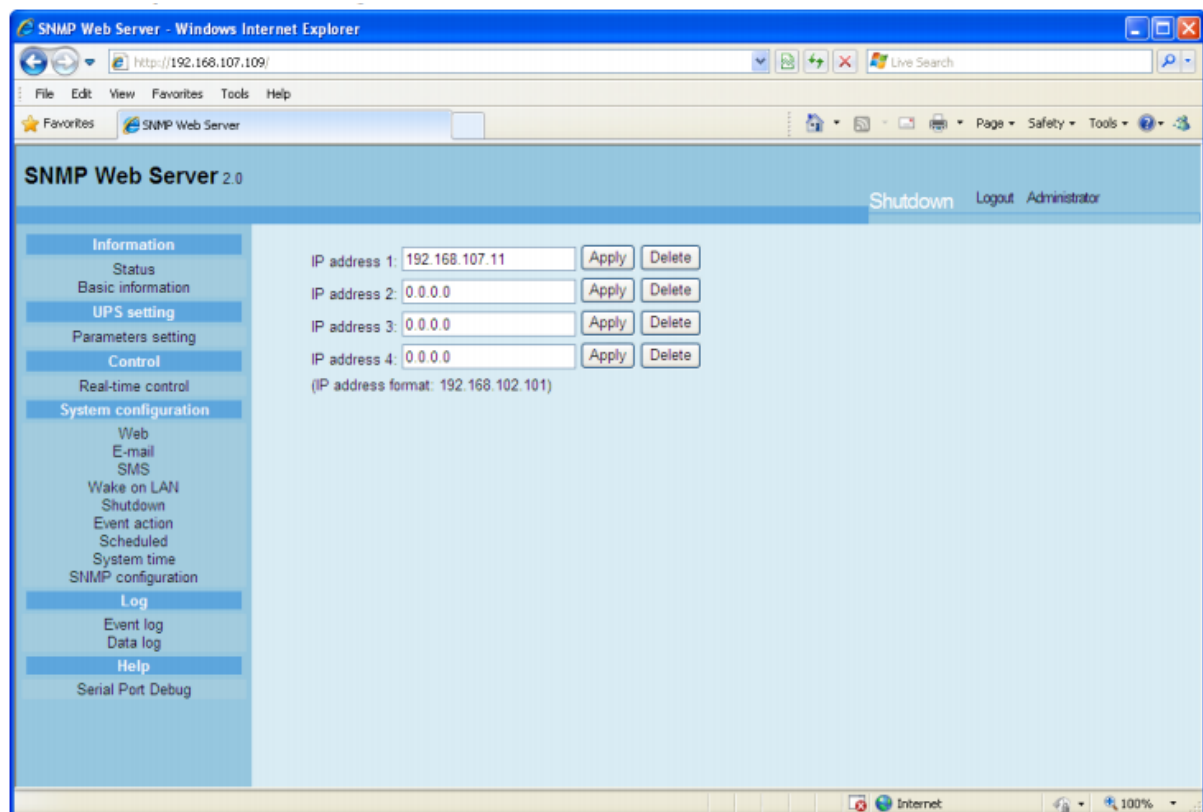
Done

Internet 100%

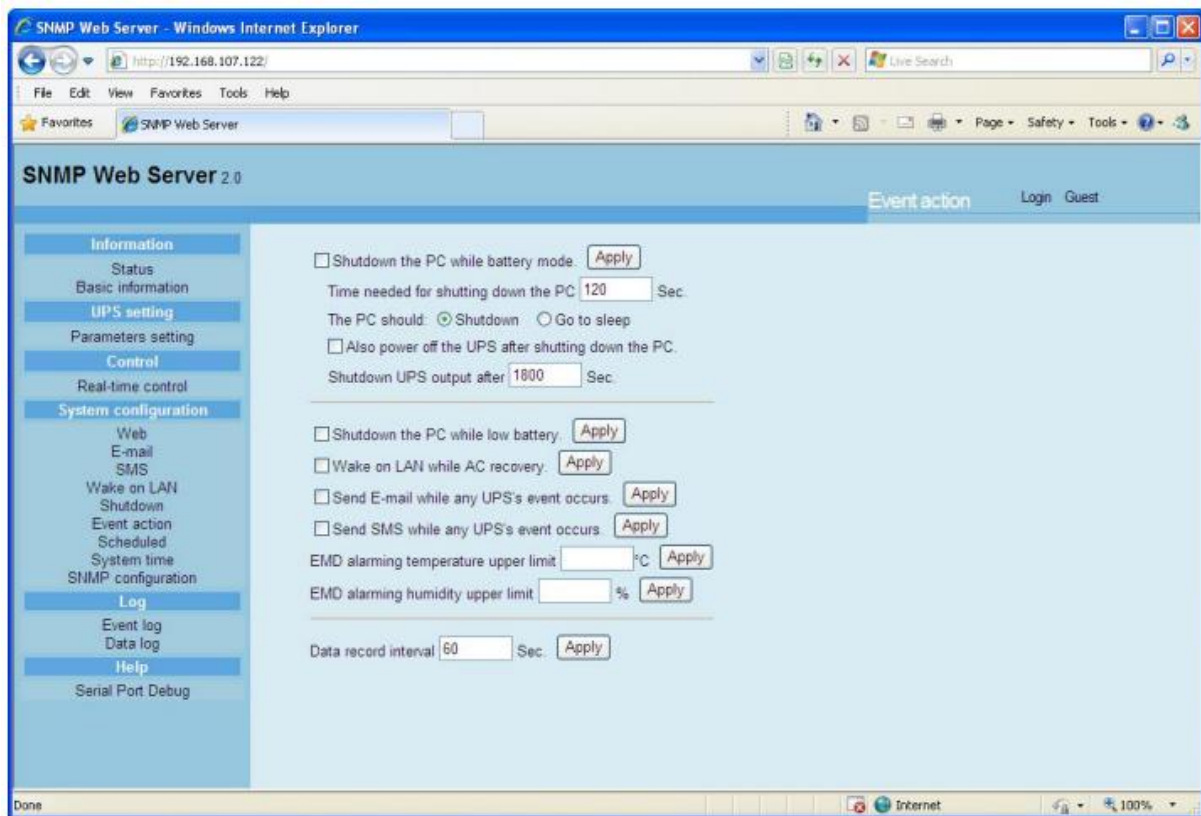
18



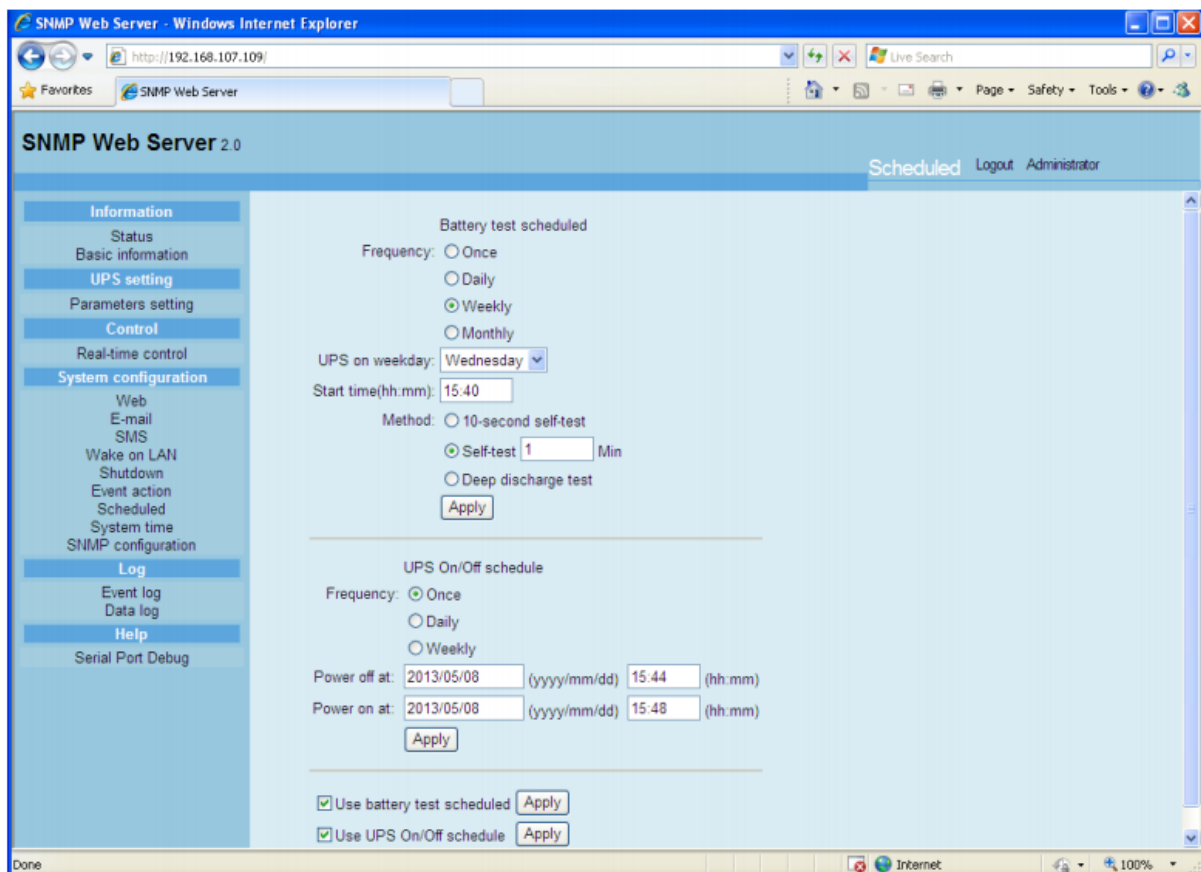
19



20



21



22

SNMP Web Server - Windows Internet Explorer

http://192.168.107.122/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

System time Login Guest

Information

- Status
- Basic information
- UPS setting**
- Parameters 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

Automatic time correction interval: 12 Hours

Time server: time.nist.gov

Time Zone(Relative to GMT): GMT

Applying daylight saving time: No

Adjust now >>

System Time (mm/dd/yyyy hh:mm:ss): 05/23/2013 10:16:07 Apply

Auto Restart System for Every (0: Disable): 0 Minute(s) Apply

Manual Restart System After 30 Seconds. Apply

Internet 100%

23

SNMP Web Server - Windows Internet Explorer

http://192.168.107.109/

File Edit View Favorites Tools Help

SNMP Web Server

SNMP Web Server 2.0

SNMP configuration Logout Administrator

Information

- Status
- Basic information
- UPS setting
- Parameters 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

*: System will reboot when this item has been Applied.

IP address*

☒ Automatically obtain IP address

☐ Use a static IP address

IP address: 192.168.107.109

Subnet mask: 255.255.255.0

Default gateway: 192.168.107.254

DNS: 192.168.100.236

Apply

Password

Old password:

New password:

Confirm password:

Apply

Trap IP address

Trap IP address 1:	0.0.0.0	Apply	Delete
Trap IP address 2:	0.0.0.0	Apply	Delete
Trap IP address 3:	0.0.0.0	Apply	Delete

Done Internet 100%

The screenshot shows a web browser window titled "SNMP Web Server - Windows Internet Explorer". The address bar displays "http://192.168.107.109/". The page header includes "Event log", "Logout", and "Administrator" links. A left sidebar contains navigation menus: "Information" (Status, Basic information), "UPS setting" (Parameters 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), and "Help" (Serial Port Debug). The main area features a table with two columns: "Time" and "Event name". It lists three events from 05/08/2013 15:44:01 to 15:40:02, including scheduled power-on/off, battery self-test completion, and another scheduled self-test. At the bottom right are "Clear" and "Save as" buttons. The status bar at the very bottom indicates "Done" and "Internet" connectivity.

The screenshot shows the SNMP Web Server interface in a Windows Internet Explorer browser window. The address bar displays "http://192.168.107.122/". The page title is "SNMP Web Server 2.0". The left sidebar contains navigation links: Information, Status, Basic information, UPS setting, Parameters setting, Control, Real-time control, System configuration, Log, Event log, Data log, Help, and Serial Port Debug. The main content area is titled "Data log" and shows a table of system logs. The table has columns for Time, Input voltage[V], Output voltage[V], Output frequency[Hz], Load(%), Battery voltage[V], and Temp.(°C). The data rows show various system parameters over time.

Time	Input voltage[V]	Output voltage[V]	Output frequency[Hz]	Load(%)	Battery voltage[V]	Temp.(°C)
05/23/2013 10:18:00	210.0	229.7	50.0	5	41.0	40.1
05/23/2013 10:17:00	209.3	229.7	49.9	3	41.0	40.4
05/23/2013 10:16:00	209.0	230.0	50.0	3	41.0	40.1
05/23/2013 10:15:00	209.0	229.8	50.0	2	41.0	40.1
05/23/2013 10:13:59	209.6	229.6	50.0	3	41.0	40.3
05/23/2013 10:12:58	208.6	229.7	50.0	3	41.0	40.3
05/23/2013 10:11:58	209.9	229.9	50.0	6	41.0	40.3
05/23/2013 10:10:59	210.1	229.8	50.0	5	41.0	40.3
05/23/2013 10:09:59	210.7	229.6	50.0	3	41.0	40.3
05/23/2013 10:08:58	211.0	229.8	50.0	5	41.0	39.8
05/23/2013 10:07:58	210.6	229.7	50.0	3	41.0	40.1
05/23/2013 10:06:50	209.1	229.8	50.0	4	41.0	40.4
05/23/2013 10:05:58	208.7	229.8	50.0	3	41.0	40.3
05/23/2013 10:04:56	209.0	229.7	50.0	4	41.0	40.1

