NXT POWER

Software User Manual
WiseWay Built-In Card

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Foreword

Summaries

Thank you for choosing the WiseWay software product!

This document mainly introduces the installation and operation of the WiseWay software product.

Please save the information after reading, to consult in the future.

Term Convention

Abbreviation	Description
SNMP	Simple Network Management Protocol
HTTP	HyperText Transfer Protocol
Web Browser	Web browser, i.e., webpage browser
TCP	Transmission Control Protocol
UDP	User Datagram Protocol
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name System
FTP	File Transfer Protocol
ARP	Address Resolution Protocol
CSCI	Computer Software Configuration Item

Change History

Changes between document issues are cumulative. The latest document issue contains all the changes made in earlier issues.

Issue 004 (2015-07-14)

Modify after first review.

Issue 003 (2015-07-06)

Renew the contents and figures.

Issue 002 (2015-06-29)

Renew document format, add contents the detail.

Issue 001 (2015-06-24)

First issue.

Contents

1 Overview

1.1 System Overview

SNMP Built-in card is a new network monitoring product which is designed to manage the UPS conveniently. The product provides real time network monitoring and management for UPS, and it can also look up the real time dynamic data to realize the remote control of UPS, which make the networked management for UPS more convenient. The product can realize the monitoring for single UPS, matching with corresponding PC software, it can achieve integration monitoring management.

SNMP Built-in card provides speedy installation procedure, you can search and set the IP address after installing the NetFind software in PC. Login the webpage of SNMP Built-in card through browser (such as IE browser), and you can obtain the operating status of UPS, such as working voltage, current, frequency, temperature, humidity, etc. of UPS. Through Web interface, you can set the parameters of device and system, such as start or shut down the UPS in a certain time, set the user authority, username, IP, etc.

SNMP Built-in card provides close software for different operating system. If necessary, please close the operating system to avoid abnormal shutdown caused by mains abnormal.

2 Software Overview

2.1 Application

SNMP Built-in card is a new network monitoring product which is designed to manage the UPS conveniently. Login the webpage of SNMP Built-in card through browser (such as IE browser), and you can obtain the operating status of UPS, such as work voltage, current, frequency, temperature, humidity, etc. of UPS. Through Web interface, you can set the parameters of device and system, such as start or shut down the UPS in a certain time, set the user authority, username, IP, etc.

The detailed function is as follows.

- Monitor the real time status of UPS through browser to login SNMP Built-in card.
- Set the function of UPS through browser to login SNMP Built-in card.
- Support the protocol of TCP/IP, SNMP, FTP, NTP, HTTP, SMTP, etc.
- Provide software (WiseFind) to upgrade the SNMP Built-in card.
- Send daily report forms by Email.
- When UPS abnormal, administrator can receive related information through message, SNMP, Email, etc.
- It can attach message module to achieve message alarm.

2.2 Software Detailed List

- User manual for SNMP Built-in card
- Installation program for WiseFind searching software.
- Installation program for WiseClose shutdown software.
- Installation program for WiseSMS message server
- Installation program for WiseInsight integration monitoring software

2.3 Software Environment

It is suitable, but not only, for the following browsers: (mark the browser version in detail).

- IE6+ browser
- Firefox 14+ browser
- Opera13+ browser
- Chrome31+ browser
- Safari5+ browser

CAUTION

The early operating system may not so good in compatibility.

3 First Use SNMP Built-in card

3.1 First Login

After hardware connecting and setting of SNMP Built-in card and network, you can obtain the IP address of SNMP Built-in card through WiseFind software. Open browser, enter the IP address of SNMP Built-in card (default IP is 192.168.69.100), enter username and password in login interface, then click OK to enter monitoring page. Default username of administrator is admin, corresponding password is admin.

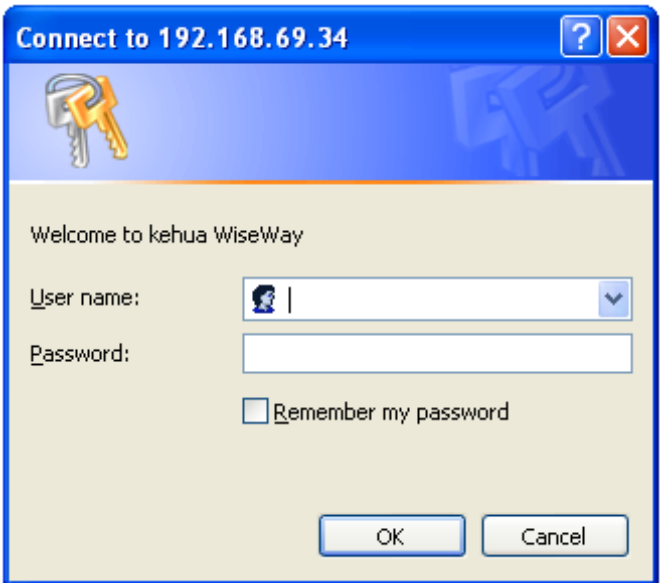


Figure3-1 Login interface for SNMP Built-in card

After login, the monitoring interface of SNMP Built-in card, you can remote monitoring the UPS or set the related information.

CAUTION

Please ensure that the setting IP address is in the same network segment with user's computer IP address.

CAUTION

The login interface is different in different browser, the manual takes IE as an example.

3.2 Account Number Setting

User can modify the account, add new user, and set user authority, etc. through setting and control -> network setting-> webpage remote login according to needs.

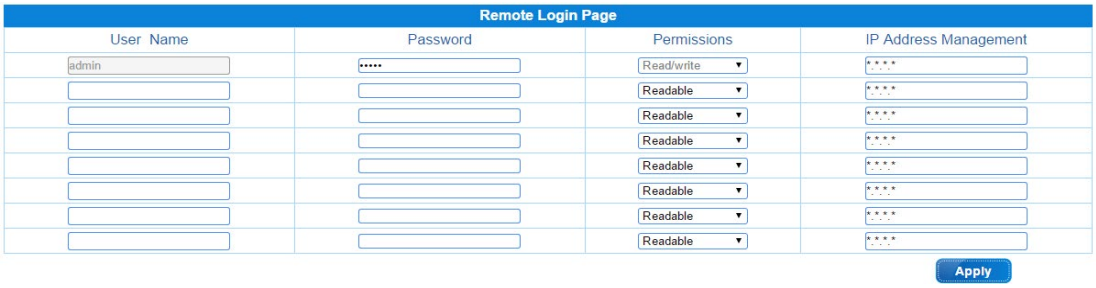


Figure3-2 Remote login page

CAUTION

Details, please see 4.3.5 Network Setting.

CAUTION

For system safety, please modify the default password of admin.

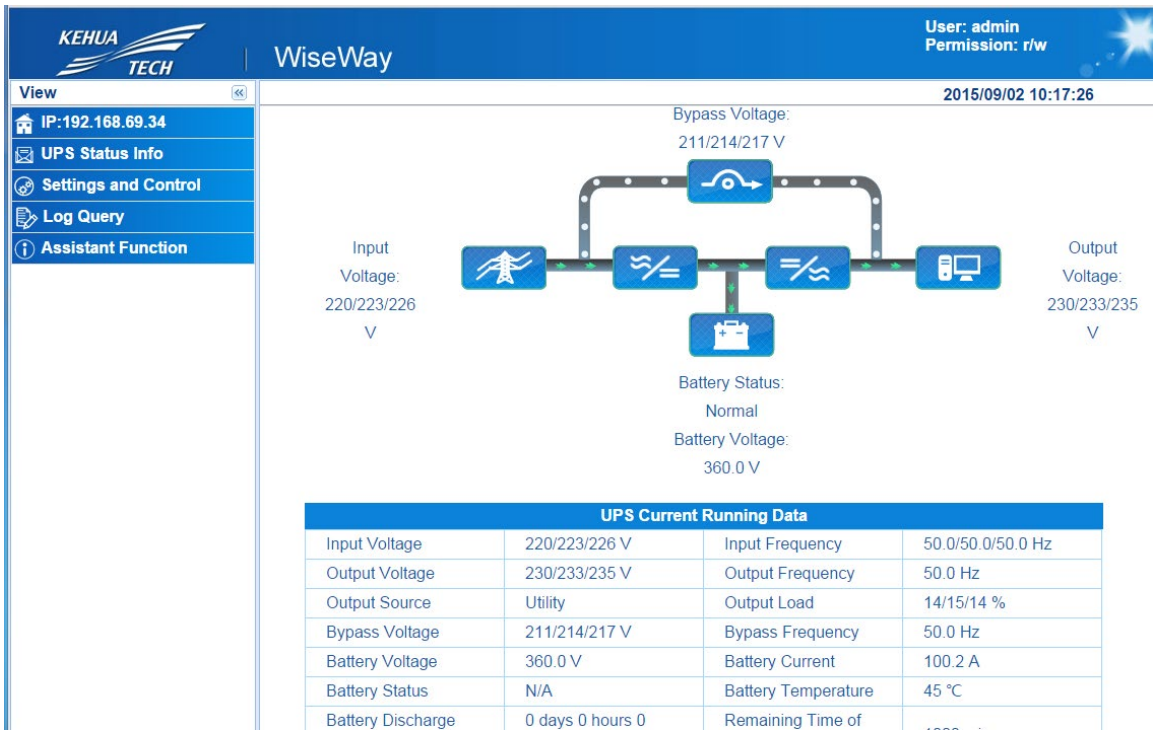
CAUTION

Please save the password of admin properly, if lost unfortunately, please contact the supplier.

CAUTION

If set the authority to no authority, the user will not login, please set carefully.

4 Use Guide



After login, the webpage of SNMP Built-in card, it will show the current login username and permission, system function menu, system information and status, etc.

System menu includes basic information of main page, UPS information and status, setting and control, log query, other functions. Details for each function are as follows.

4.1 Main Page Information

Main page shows the main information of monitored UPS, which makes the administrator understand the real time status of the UPS conveniently.

4.1.1 Real Time Status of UPS

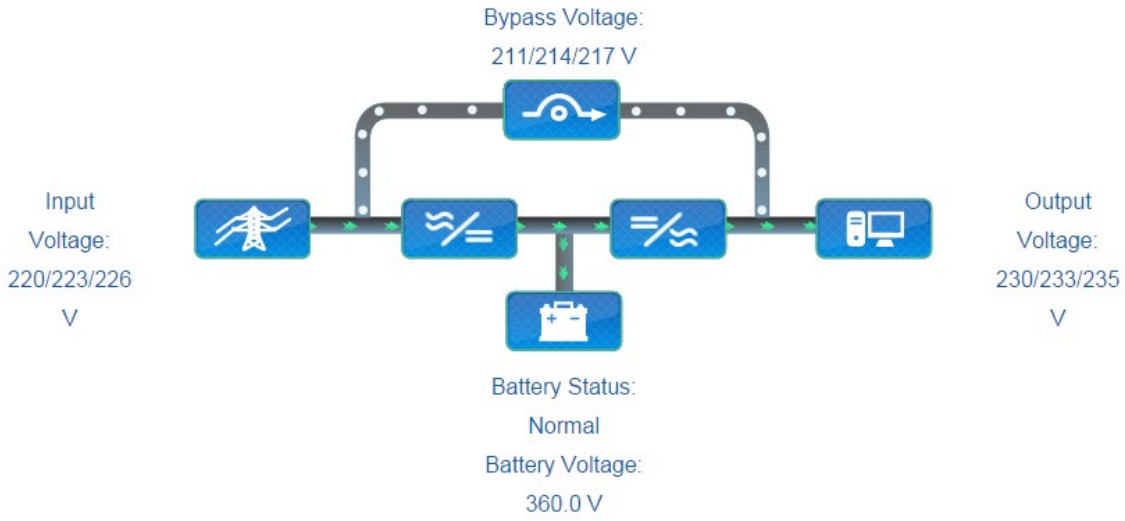


Figure4-1 UPS real time status

Item	Description
Input voltage	Shows the real time input voltage of the UPS
Output voltage	Shows the real time output voltage of the UPS
Bypass voltage	Shows the real time bypass voltage of the UPS
Battery status	Shows the real time battery status of the UPS
Battery voltage	Shows the real time battery voltage of the UPS

4.1.2 UPS Current Running Data

UPS Current Running Data			
Input Voltage	220/223/226 V	Input Frequency	50.0/50.0/50.0 Hz
Output Voltage	230/233/235 V	Output Frequency	50.0 Hz
Output Source	Utility	Output Load	14/15/14 %
Bypass Voltage	211/214/217 V	Bypass Frequency	50.0 Hz
Battery Voltage	360.0 V	Battery Current	100.2 A
Battery Status	N/A	Battery Temperature	45 ℃
Battery Discharge Time	0 days 0 hours 0 minutes 0 seconds	Remaining Time of Battery	1000 min
Remaining Capacity of Battery	90 %		

Figure4-2 UPS current running data

It shows the current running data of the UPS (note: the non-uploading data are all display as N/A, the following tables are the same).

Item	Description
Input voltage	Shows the UPS real time input voltage
Input frequency	Shows the UPS real time input frequency
Output voltage	Shows the UPS real time output voltage
Output frequency	Shows the UPS real time output frequency
Output source	Shows the current system power supply way
Output load	Shows the UPS output load
Bypass voltage	Shows the UPS real time bypass voltage
Bypass frequency	Shows the UPS real time bypass frequency
Battery voltage	Shows the UPS real time battery voltage
Battery current	Shows the UPS real time battery current
Battery fault	Shows that whether the UPS is in fault
Battery temperature	Shows the UPS real time battery temperature
Battery discharge time	Shows the UPS battery discharging time
Remaining time of battery	Shows the batter remaining time of the UPS
Remaining capacity of battery	Shows the battery remaining capacity of the UPS.

4.1.3 UPS Current Running Status

UPS Current Running Status			
UPS Communication Status	Communication OK		
Input Abnormal	No	Input Power Pending	N/A
Output Abnormal	No	Output Overload	No
UPS Output Off	N/A	On Bypass Mode	No
Bypass Abnormal	No	Battery Abnormal	N/A
On Battery Mode	No	Battery Low Voltage	No
Battery Useup	No	Temperature Abnormal	No

Figure4-3 UPS current running status

It shows the current running status of the UPS.

Item	Description
UPS communication status	Shows the UPS current communication status
Input abnormal	Shows that if there is abnormal input
Input power pending	Shows that if it is in input power pending
Output abnormal	Shows that if the UPS output abnormally
Output overload	Shows that if the UPS is overload
UPS output off	Shows the UPS output status
On bypass mode	Shows that if the UPS stay in bypass mode
Bypass abnormal	Shows that if the bypass is abnormal
Battery abnormal	Shows that if the UPS battery is abnormal
On battery mode	Shows that if the UPS stay in battery mode
Battery low voltage	Shows that if the UPS is low voltage
Battery use up	Shows that if the UPS battery is used up.
Temperature abnormal	Shows that if the battery temperature is abnormal

4.2 UPS Information and Status

It provides basic information and running status of the UPS, including system information and status, UPS basic information, UPS real time data, UPS real time status, module real time status, chart display.

4.2.1 System Information and Status

It provides the SNMP car information, UPS system information, network status, etc.

Information of SNMP Built-in card

System Information			
System Name	Name	Hardware Version	KCUPSNET_HWV2.0
System Administrator	Admin	Firmware Version	UPSNET_SWV1.64
System Location	Location	S/N	-
Total Running Time	0 days 1 hours 42 minutes 11 seconds		

Figure4-4 System information

Item	Description
System name	System name of SNMP Built-in card. It can be set according to “setting and control->system setting”
System administrator	System administrator of SNMP Built-in card. It can be set according to “setting and control->system setting”
System location	System location of SNMP Built-in card. It can be set according to “setting and control->system setting”.
Total running time	Total running time of SNMP Built-in card. Its times as soon as powering on.
Hardware version	Hardwire version information of SNMP Built-in card.
Firmware version	Firmware version of SNMP Built-in card.
S/N	S/N of SNMP Built-in card.

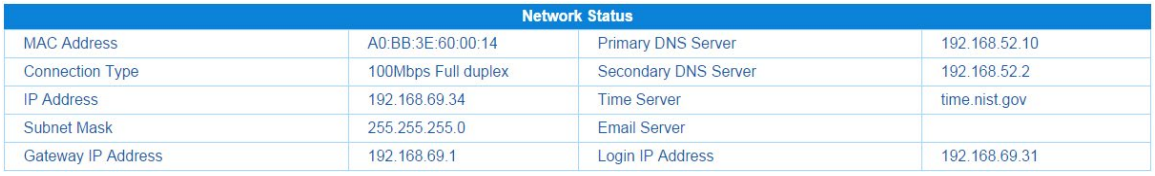
Information of UPS system

UPS System			
UPS Last Selftest Time		UPS Next Selftest Time	
Email Daily Report Time		Time of Send Alarm Information before Shutdown UPS(Minutes)	30

Figure4-5 UPS system

Item	Description
UPS last self-test time	Shows the last self-test time.
UPS next self-test time	Shows the next self-test time.
Email daily report time	Shows the daily email report time.
Time of send alarm information before shutdown	Shows the time of sending alarm information before shutdown.

Network status



Network Status			
MAC Address	A0:BB:3E:60:00:14	Primary DNS Server	192.168.52.10
Connection Type	100Mbps Full duplex	Secondary DNS Server	192.168.52.2
IP Address	192.168.69.34	Time Server	time.nist.gov
Subnet Mask	255.255.255.0	Email Server	
Gateway IP Address	192.168.69.1	Login IP Address	192.168.69.31

Figure4-6 Network status

Item	Description
MAC address	Shows the MAC address of SNMP Built-in card.
Connection type	Shows the connection type of SNMP Built-in card.
SNMP_IP address	Shows the IP address of SNMP Built-in card.
Subnet mask	Shows the subnet mask of SNMP Built-in card.
Gateway IP address	Shows the gateway IP address of SNMPR card.
Primary DNS server	Shows the primary DNS server address.
Secondary DNS server	Shows the secondary DNS server address.
Time sever	Shows the time server of SNMP Built-in card.
Email server	Shows the address of email server
Login IP address	Shows the login IP address of current user.

4.2.2 UPS Basic Information

It provides the UPS basic information and rated information.

Basic information

UPS Basic Information	
Manufacturer	kehua
Firmware Version	V5.6
Model	UK33100

Figure4-7 UPS basic information

Item	Description
Manufacturer	Shows the UPS manufacturer
Firmware version	Shows the UPS firmware version
Model	Shows the UPS model

Rating information

Rating Information	
Rated Input Voltage(V)	220 V
Rated Input Frequency(Hz)	50.0 Hz
Rated Output Voltage(V)	220 V
Rated Output Frequency(Hz)	50.0 Hz
Rated Apparent Power(VA)	150000 VA
Rated Active Power(W)	N/A

Figure4-8 Rating information

Item	Description
Rated input voltage	Show the UPS rated input voltage
Rated input frequency	Show the UPS rated input frequency
Rated output voltage	Show the UPS rated output voltage
Rated output frequency	Show the UPS rated output frequency
Rated apparent power	Show the UPS rated capacity
Rated active power	Show the UPS rated power

4.2.3 UPS Real-time Data

It provides the real-time data of the UPS. The data are obtained real time by system. It is made up of UPS information, input information, output information, bypass information, battery information.

Real-time Data		
UPS Information	UPS Communication Status	Communication OK
Input Information	Input Voltage	220/223/226 V
	Input Current	N/A
	Input Frequency	50.0/50.0/50.0 Hz
	Input True Power(W)	N/A
output Information	Output Source	Utility
	Output Voltage	230/233/235 V
	Output Current	N/A
	Output Frequency	50.0 Hz
	Output Load	14/15/14 %
	Output True Power(W)	N/A
Bypass Information	Bypass Voltage	211/214/217 V
	Bypass Current	N/A
	Bypass Frequency	50.0 Hz
	Battery True Power(W)	N/A
Battery Information	BatteryStatus	N/A
	Battery Voltage	360.0 V
	Battery Current	100.2 A
	Battery Temperature	45 ℃
	Battery Discharge Time	0 s
	Remaining Time of Battery	1000 min
	Remaining Capacity of Battery	90 %

Figure4-9 Real-time data

It shows whole UPS real-time data information (the items, which out of the communication protocol, will show as N/A)

UPS information

UPS communication status shows the UPS real-time communication status.

Input information

Item	Description
Input voltage	Shows the real-time input voltage of UPS.
Input current	Shows the real-time input current of UPS.
Input frequency	Shows the real-time input frequency of UPS.
Input true power	Shows the input true power of UPS.

Output information

Item	Description
Output source	Shows the power supply method.
Output voltage	Shows the real-time output voltage of UPS

Item	Description
Output current	Shows the real-time output current of UPS.
Output frequency	Shows the real-time output frequency of UPS.
Output load	Shows the real-time output load of UPS.
Output true power	Shows the output active power of UPS.

Bypass information

Item	Description
Bypass voltage	Shows the real-time bypass voltage of UPS.
Bypass current	Shows the real-time bypass current of UPS.
Bypass frequency	Shows the real-time bypass frequency of UPS.
Battery true power	Shows the real-time bypass active power.

Battery information

Item	Description
Battery status	Shows if the UPS fault is fault.
Battery voltage	Shows the real-time battery voltage of UPS.
Battery current	Shows the real-time battery current of UPS.
Battery temperature	Shows the real-time battery temperature of UPS.
Battery discharge time	Shows the battery discharge time of UPS.
Remaining time of battery	Shows the remaining time of battery.
Remaining capacity of battery	Shows the remaining capacity of battery.

4.2.4 UPS Real-time Status

It provides the real-time status of the UPS. The data are obtained real time by system, it is made up of system information, input information, output information, bypass information, battery information.

Real-time Status		
System Information	UPS Communication Status	Communication OK
	Remote Shutdown UPS output	N/A
	Remote Shutdown UPS	N/A
	UPS System Off	No
	Charger Abnormal	N/A
	Fan Abnormal	N/A
	Fuse Abnormal	N/A
	Other Faults	No
	Shutdown Pending	No
	Immediate Shutdown	No
	Testing	No
	Diagnostic Test Fail	N/A
Input Information	Input Abnormal	No
	Input Power Pending	N/A
Input Information	Output Abnormal	No
	Output Overload	No
	UPS Output Off	N/A
Bypass Information	On Bypass Mode	No
	Bypass Abnormal	No
Battery Information	Battery Abnormal	N/A
	On Battery Mode	No
	Battery Low Voltage	No

Figure4-10 UPS real-time status

It shows the UPS real-time status (the items, which out of the communication protocol, will show as N/A).

System information

Item	Description
UPS communication status	Shows the real-time communication status of UPS.
Remote shutdown UPS output	Chooses whether to enable the remote shutdown UPS output.
Remote shutdown UPS	Chooses whether to enable the remote shutdown UPS.
UPS system off	Shows whether the system is off.
Charger abnormal	Shows whether the battery charge is abnormal.
Fan abnormal	Shows whether the UPS fan is abnormal.
Fuse abnormal	Shows whether the UPS fuse is abnormal.
Other faults	Shows whether the UPS is fault.
Shutdown pending	Shows whether to enable the UPS shutdown pending.

Item	Description
Immediate shutdown	Shows that the UPS will shut down immediately.
Testing	Shows whether the UPS is testing.
Diagnostic test fail	Shows the diagnostic test status.

Input information

Item	Description
Input abnormal	Shows whether the input of UPS is abnormal.
Input power pending	Shows whether the UPS stay in input power pending status.

Output information

Item	Description
Output abnormal	Shows whether there exit output abnormal of UPS.
Output overload	Shows whether the UPS is overload.
UPS output off	Shows whether the output of UPS is closed.

Bypass information

Item	Description
On bypass mode	Shows whether the UPS is on bypass mode.
Bypass abnormal	Shows whether the bypass is abnormal

Battery information

Item	Description
On battery mode	Shows whether the UPS is on battery mode.
Battery abnormal	Shows whether the UPS battery is abnormal.
Battery low voltage	Shows whether the UPS is low voltage.
Battery use up	Shows whether the UPS battery is used up.

Item	Description
Temperature abnormal	Shows whether the UPS temperature is abnormal.

4.2.5 Chart Display

It displays the main data of UPS by chart, which is easy to observe for administrator. It includes battery capacity, battery temperature, output load and real-time voltage line chart.

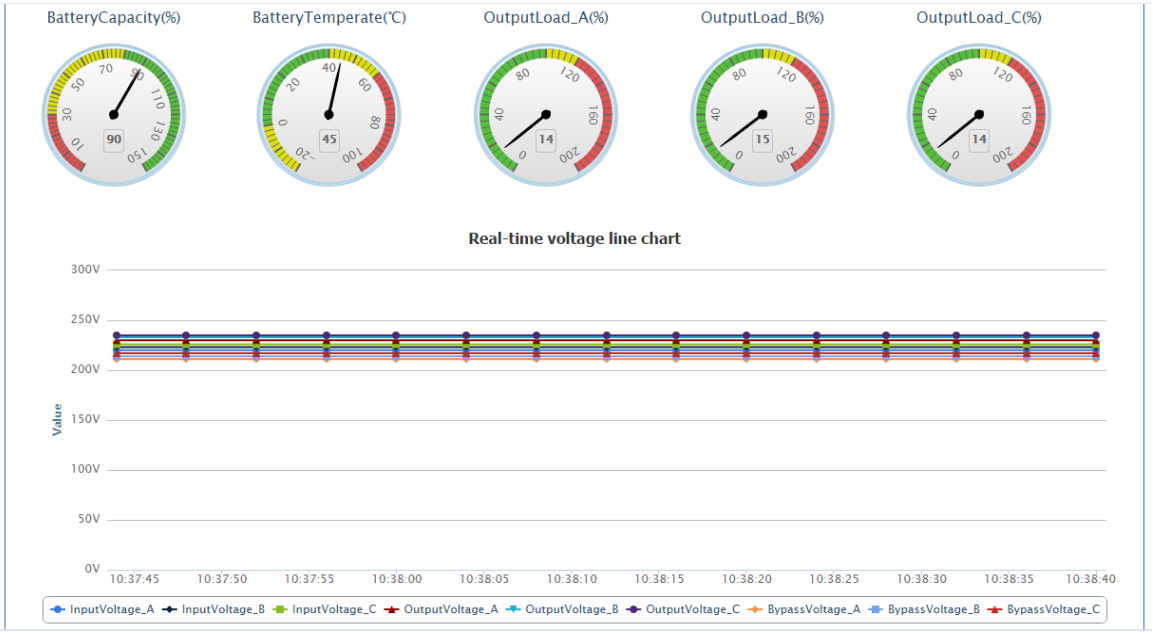


Figure4-11 Chart display

Item	Description
battery capacity	Shows the battery capacity.
battery temperature	Shows the battery temperature.
output load	Shows the output load of UPS. If it is single-phase, it will show in output load_R.
Real-time voltage line chart	Shows the real-time voltage curve of UPS.For single-phase power, it shows input voltage, output voltage, bypass voltage; for three-phase power, it shows input voltage_R, input voltage_S, input voltage_T, output voltage_R, output voltage_S, output voltage_T, bypass voltage_R, bypass voltage_S, bypass voltage_T.

4.3 Setting and Control

It is used to set and control the SNMP Built-in card and UPS, including remote control, UPS parameters setting, UPS ON/OFF setting, wake up LAN, network setting, SNMP setting, Email setting, SMS setting, 485 bus modules setting, system setting.

4.3.1 Remote Control

It includes UPS self-test and other items, which allow user to test the UPS by remote control. Click the performing test items, click “Apply” icon to carry on the test.

UPS self-test

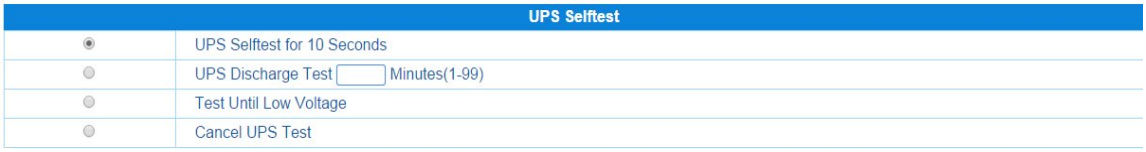


Figure4-12 UPS self-test

UPS self-test for 10 seconds: UPS performs the discharging test for 10 seconds.

UPS discharge test XX minutes: UPS performs the discharging test according to the setting time.

UPS test until low voltage: UPS performs the discharging test to low voltage.

Cancel UPS test: UPS cancel each performing self-test.

CAUTION

Only equipped with the self-test module, the UPS can carry out the self-test. At present, it supports the UPS which use the NXT Power protocol only, for other models, please consult supplier.

Other items

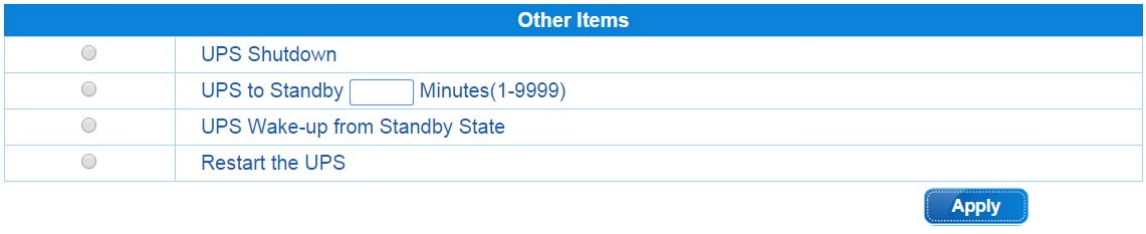


Figure4-13 Other items

- UPS shutdown: UPS turn into shutdown status.
- The minutes UPS to standby: UPS enter standby status for the minutes you set.
- UPS wake-up from standby state: the UPS switch to normal status from standby status.
- Restart UPS: UPS perform shutdown then restart again.

CAUTION

Only equipped with the self-test module, the UPS can carry out the above function. At present, it supports the UPS which use the NXT Power protocol only, for other models, please consult supplier.

4.3.2 UPS Parameters Setting

It includes the UPS parameter, battery parameter, UPS records, UPS self-test, alarm value and port setting.

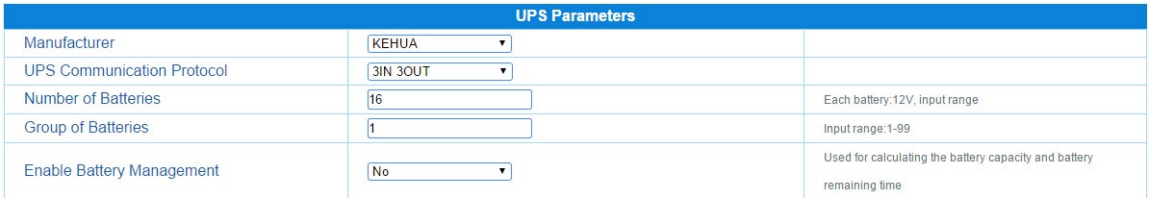


Figure4-14 UPS parameters

CAUTION

The detailed parameters setting of UPS differs from others because the protocols are different. The manual takes the NXT Power protocol as an example to introduce the setting. For other models, please consult supplier.

Manufacturer: select the manufacturer of UPS.

UPS communication protocol: select corresponding UPS communication protocol.

Number of batteries: set the battery number.

Group of battery: set the battery group number.

Enable battery management: select “Yes” to enable the battery management, as show in Figure4-15.

UPS Parameters		
Manufacturer	KEHUA	
UPS Communication Protocol	3IN 3OUT	
Number of Batteries	16	Each battery:12V, input range
Group of Batteries	1	Input range:1-99
Enable Battery Management	Yes	Used for calculating the battery capacity and battery remaining time
UPS Rated Power(kVA)	1.0	Input range:0.01-1000
Battery Rated Capacity(Ah)	7	Input range:1-1000
Date of Battery Installation		
Single Battery Full Charge Voltage	13.50	Input range:0.01-99.99
Single Battery End of Discharge Voltage	10.50	Input range:0.01-99.99

Figure4-15 UPS parameters setting

UPS rated power: enter UPS power.

Battery rated capacity: enter battery rated capacity

Date of battery installation: enter the battery replacement time.

Single battery full charge voltage: enter single battery full charge voltage.

Single battery end of discharge voltage: enter single battery end of discharge voltage.

CAUTION

When enable battery management, user needs to provide the above information for SNMP Built-in card to calculate. But the calculated battery capacity and remaining discharging time may exist error for the battery quantity is different and that may differ voltage difference, battery aging, measure error, etc. the calculated data is for reference only. Please use this information with care.

UPS log

UPS Log		
UPS Data Log(Minute)	5	Input range:2-99

Figure4-16 UPS log

UPS data log (minute): set the record interval time of UPS log.

UPS self-test

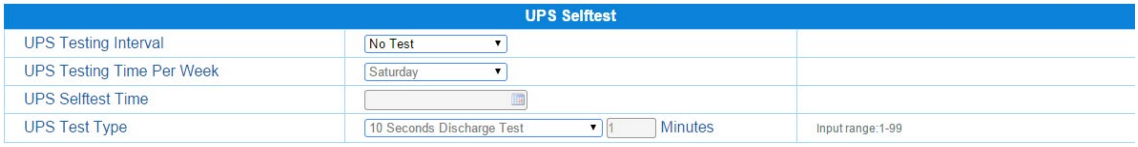


Figure4-17 UPS self-test

UPS testing interval: set the interval time of test, if it set to “no test”, the following function will close.

UPS testing time per week: set the date of test per week.

UPS self-test time: set the date of self-test per week.

UPS test type: set the test type of UPS.

CAUTION

Only equipped with the self-test module, the UPS can carry out the self-test function. At present, it supports the UPS which use the NXT Power protocol only, for other models, please consult supplier.

Alarm setting

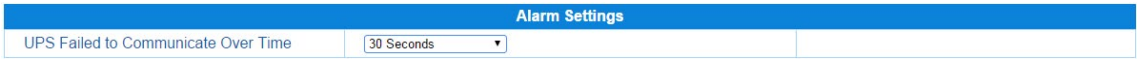


Figure4-18 Alarm setting

UPS failed to communicate over time: set the waiting time for communication break off when it judges the UPS fail to communicate.

Port setting

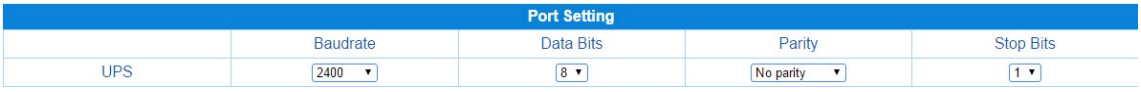


Figure4-19 Port setting

UPS: the setting data should be in accord with that of UPS.

4.3.3 UPS ON/OFF

It is used to set the schedule for UPS startup and shutdown. After finishing setting, click “apply” to make it tale effect.

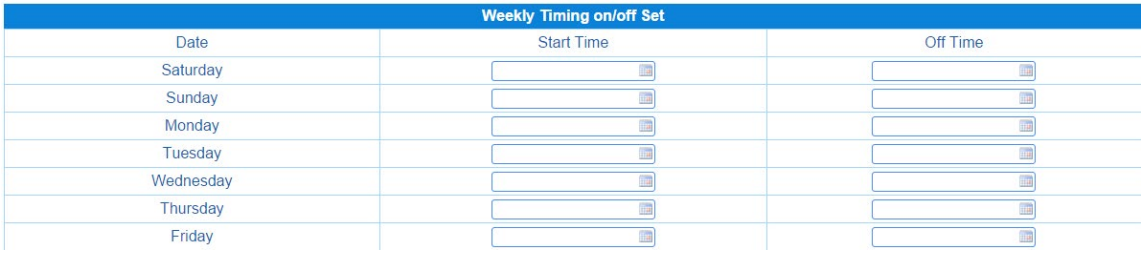


Figure4-20 Weekly timing on/off set

Date: from Sunday to Saturday.

Start time: set the everyday starting time.

Off time: set the everyday shutdown time.

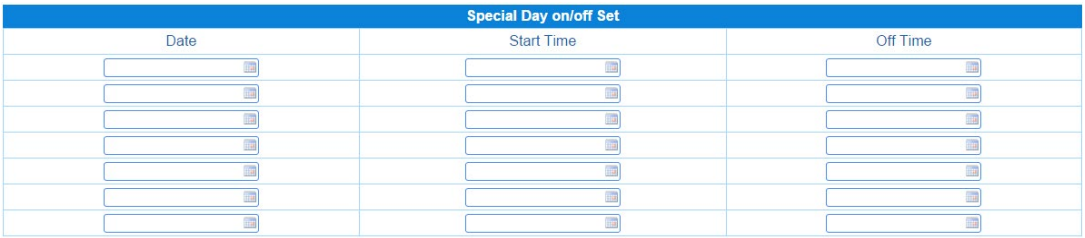


Figure4-21 Special day on/off setting

Date: set the special on/off date.

Start time: set the starting time of special day.

Off time: set the shutdown time of special day.

CAUTION

If you enable the special day on/off setting, the corresponding weekly timing on/off time of that day will be invalid.

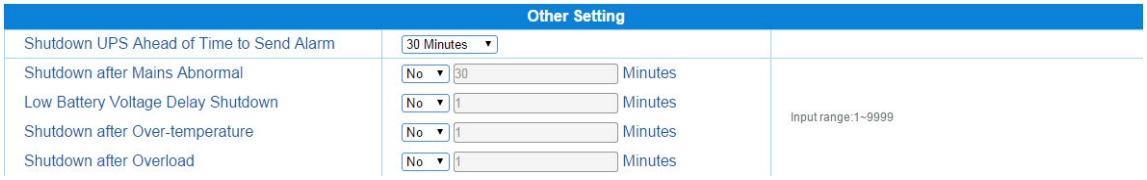


Figure4-22 Other setting

Shutdown UPS ahead of time to send alarm: set the shutdown alarm time in advance.

Shutdown after mains abnormal: set if shut down UPS after mains abnormal and waiting time before shutdown.

Low battery voltage delay shutdown: set if shut down UPS after battery low and waiting time before shutdown.

Shutdown after over-temperature: set if shut down UPS after over-temperature and waiting time before shutdown.

Shutdown after overload: set if shut down UPS after overload and waiting time before shutdown.

CAUTION

Only equipped with the function, the UPS can carry out the above function. At present, it supports the UPS which use the NXT Power protocol only, for other models, please consult supplier.

4.3.4 Wake on LAN

It is used to wake up the computer in LAN after mains normal. After setting, click “apply” to save the setting.

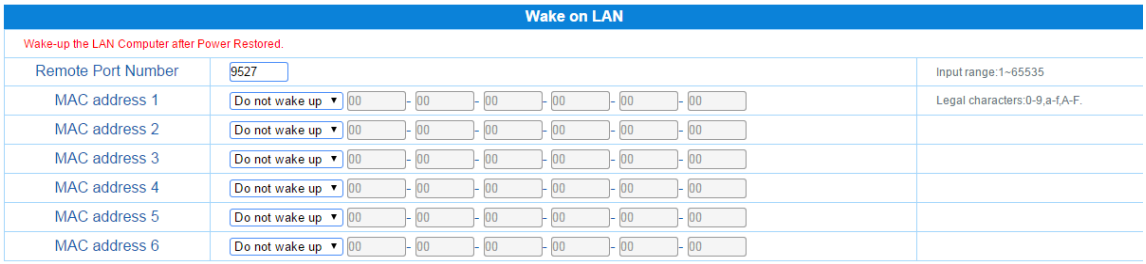


Figure4-23 Wake on LAN

Remote port number: set the remote port number (range 1~65535), and the setting cannot conflict with others.

MAC address (1~6): select the computer MAC address which needs to be woke up, click apply.

CAUTION

If using LAN wake up function, please ensure if the main board of woke up computer supports the function and enable the setting “Wake up by LAN” or other similar items.

4.3.5 Network Setting

It provides network setting of SNMP Built-in card and account assign and authority setting. After setting, click “apply” to save the setting.

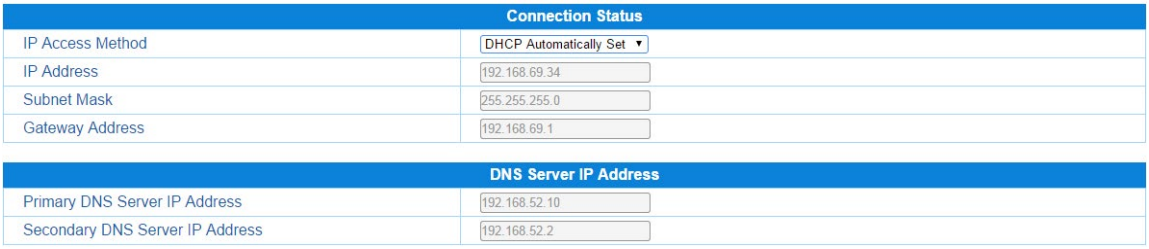


Figure4-24 Connection status

Connection status

IP access method: if it is set to DHCP automatically set, the SNMP Built-in card will obtain data automatically. If it is set to manual setting, it needs to set the following parameters.

IP address: set IP address.

Subnet mask: set subnet mask.

Gateway address: set gateway address.

CAUTION

If the IP address is reset, please use the setting IP address to login.

DNS server IP address

If the IP access method is DHCP automatically set, the SNMP Built-in card will obtain data automatically. If it is set to manual setting, you should set the following parameters manually.

Primary DNS server IP address:

Set the primary DNS server IP address.

Secondary DNS server IP address:

Set the secondary DNS server IP address.

CAUTION

If the server prohibits setting the IP address or there is no DHCP server, it will not obtain IP automatically. While using the function, please confirm the network environment.

Remote login

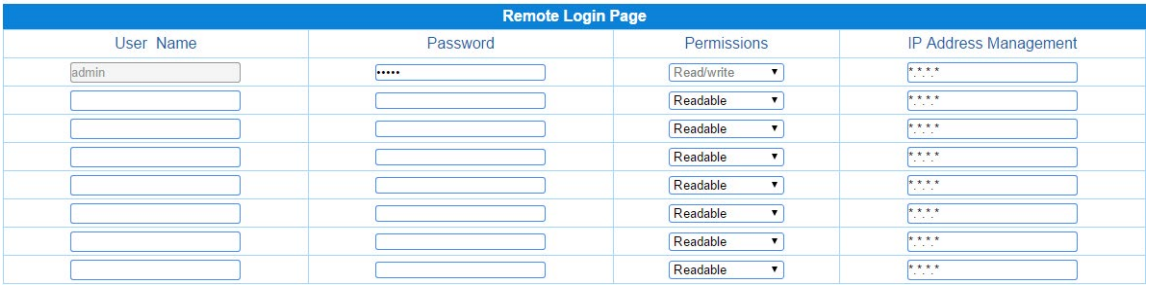


Figure4-25 Remote login page

It sets the administrator's account and distributes the authority.

Username: distributes the username of SNMP Built-in card.

Password: sets the user password.

Permissions: sets the user's authority. If it is set to no authority, user will lose the login authority.

IP address management: if is set to *.*.*.*, administrator can login and visit SNMP Built-in card in the IP address of current network segment; if it is set to specific IP, user can login in the specific IP address only.

CAUTION

If all users are deleted, user will not login the SNMP Built-in card. If cannot login SNMP Built-in card by mis-operation, please contact supplier.

CAUTION

If the permissions of all users are set to no authority, user will not login SNMP Built-in card, please set the permission with care. If cannot login SNMP Built-in card by mis-operation, please contact supplier.

4.3.6 SNMP Configuration

The data in this page are used to connect with the software of SNMP webmaster. The setting parameters in this page are used to connect with SNMP webmaster and match with WiseClose, wiseFind in the CD of SNMP Built-in card. After setting, click “apply” to save the setting.

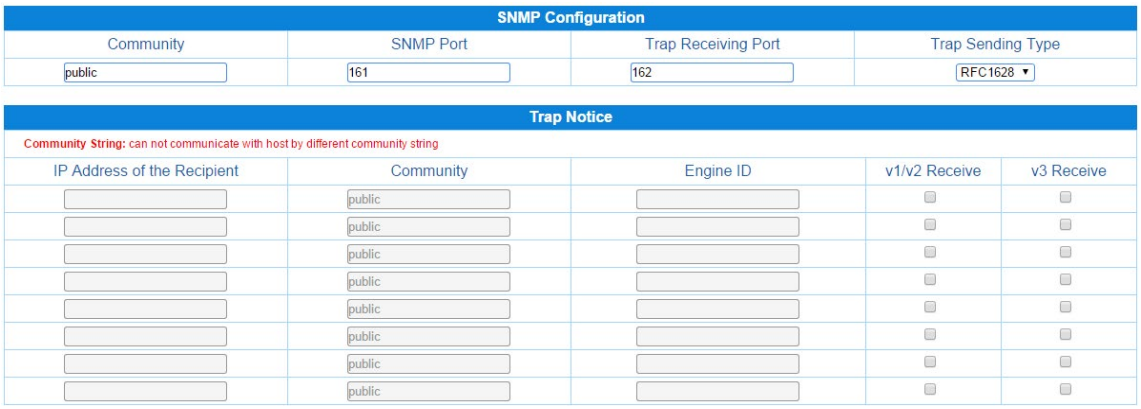


Figure4-26 SNMP configuration

SNMP Configuration

Community: set the community name, and the name should be as the same as that of upper computer, or it will not communicate properly.

SNMP port: set the SNMP port.

Trap receiving port: set the trap receiving port.

Trap sending type: set the trap sending type according pull-down list, at present, it only supports RFC1628 protocol.

Trap notice

IP address of the recipient: set the IP address of upper computer recipient.

Community: set the name of community, and the setting should be as the same as that of upper computer, or it will not communicate properly.

Engine ID: set the Engine ID and the setting should be as the same as that of upper computer, or it will not communicate properly.

Receive: it will take effect after checked.

Permission setting

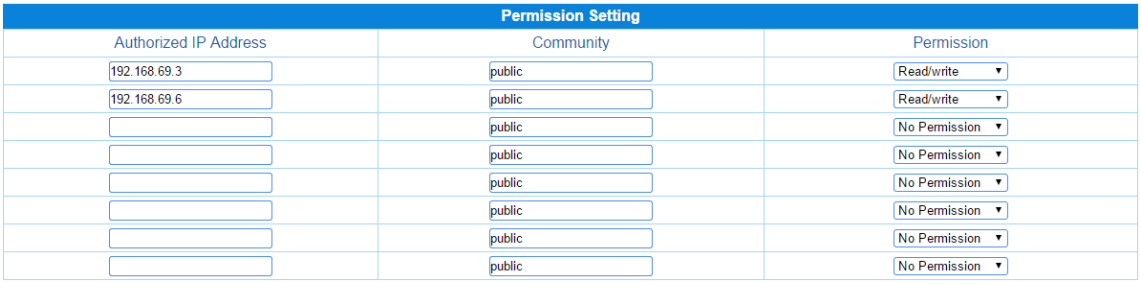


Figure4-27 Permission setting

Authorized IP address: set the authorized IP address.

Community: set the name of community, and the setting should be as the same as that of upper computer, or it will not communicate properly.

Permission: set the permission of visited IP.

V3 user configuration

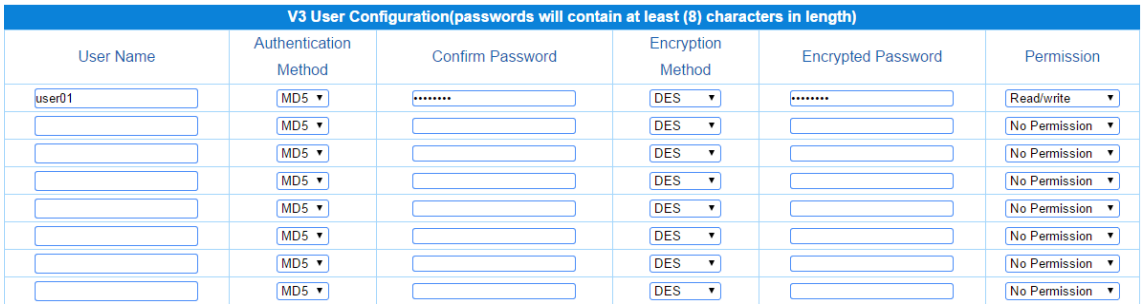


Figure4-28 V3 user configuration

There has 3 safety level, they are no Auth No Rriv, auth No Rriv, authRriv.

No Auth No Rriv:Authentication method is that the confirm password and encrypted password is empty.

AuthNoRriv:Authentication method is that the confirm password is not empty and encrypted password is empty.

AuthRriv: Authentication method is that the confirm password and encrypted password is not empty.

Username: set the username of SNMPV3

Authentication method: set the authentication method, and it can be set to MD5 and SHA.

Confirm password: set the confirm password, and the password should be no less than 8 characters.

Encryption method: set the encryption method, and it can be set to DES and AES128.

Encrypted password: set the encrypted password, and the password should be no less than 8 characters.

Permission: set the authority of V3 user.

CAUTION

When using the SNMP configuration module, if user is non-professional person, please read the manual carefully or consult professional person. Once set the module improperly, the module will not be used. If any question, please consult the supplier.

Context setting

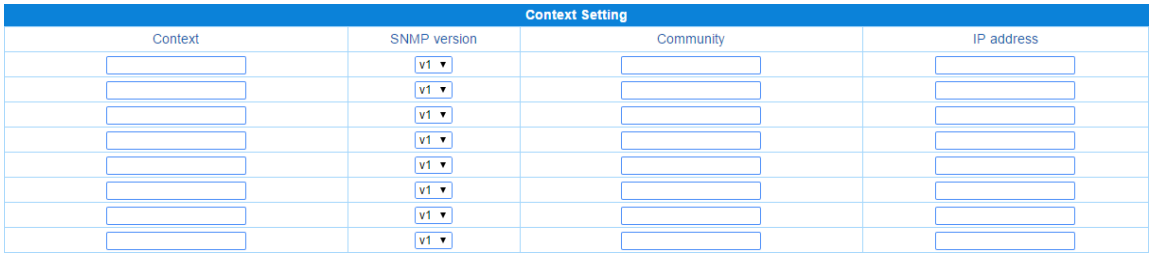


Figure4-29 Context setting

The function is used to obtain the data of other SNMP Built-in card.

Context: set the context to communicate with upper computer.

SNMP version: select SNMP version.

Community: set the communication community.

IP address: set the IP address of SNMP Built-in card.

4.3.7 Email Setting

The page is mainly used to send the data or events, detected by SNMP Built-in card, to the Email of administrator immediately. After setting, click “apply” to save the setting.

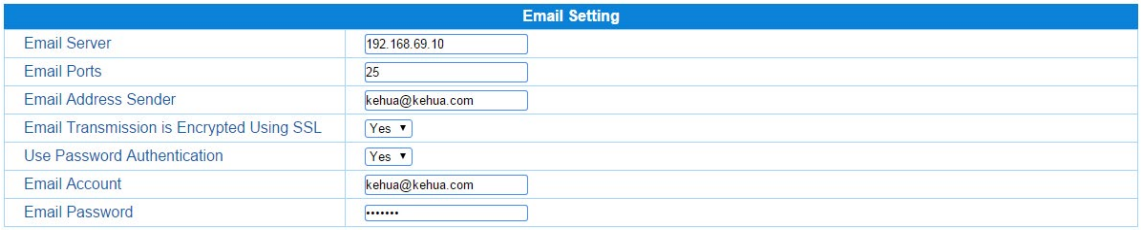


Figure4-30 Email setting

Email server: set the server address of sent Email.

Email port: set the SMTP port of sent Email. (note: SMTP port should be in accord with the Email server).

Email address sender: set the sending Email address.

Email transmission is encrypted using SSL: set whether use SSL encrypted to transfer message email (note: it needs that the Email server supports SSL encrypted.).

Use password authentication: set if the Email server needs password authentication (note: it needs that the email server supports account and password to login).

Email account: when the email server needs account checking, enter the email account.

Email password: when the email server needs account checking, enter the email password.

CAUTION

Before use, please confirm that the email of sender enables SMTP service, which is to avoid the email alarm function cannot be used properly.

Email address of recipient (receiving the event log available)

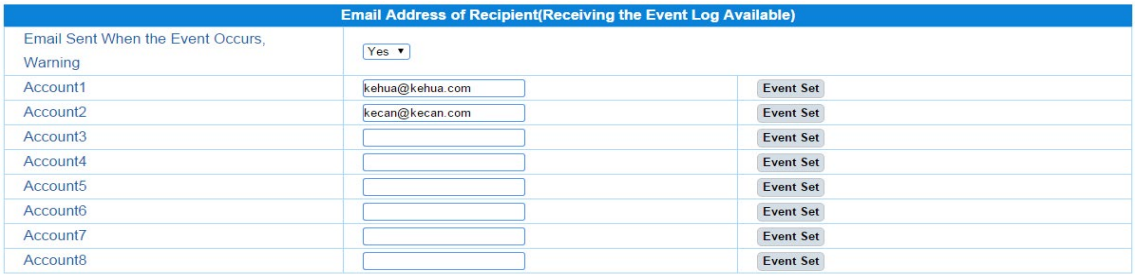


Figure4-31 Email address of recipient (receiving the event log available)

Email sent when the event occurs warning: when set to “Yes”, the function is available.

Account (1~8): this row is used to enter the sender email.

Event set: click it to enter event setting.

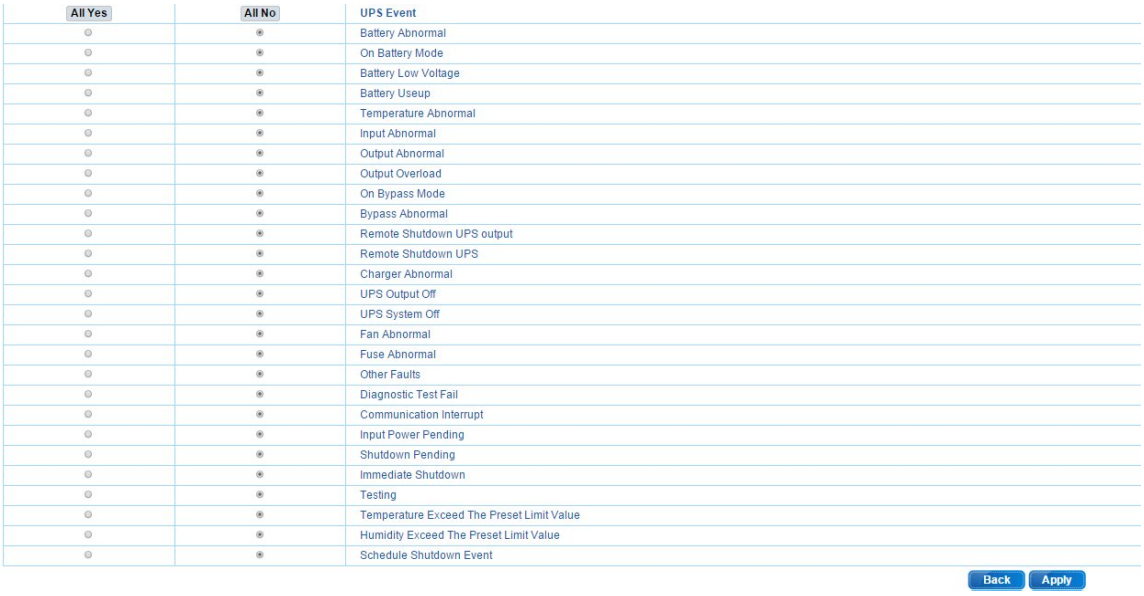


Figure4-32 Event setting

Select the receiving events, click “apply” to save the setting. Click “back” to return email setting page.

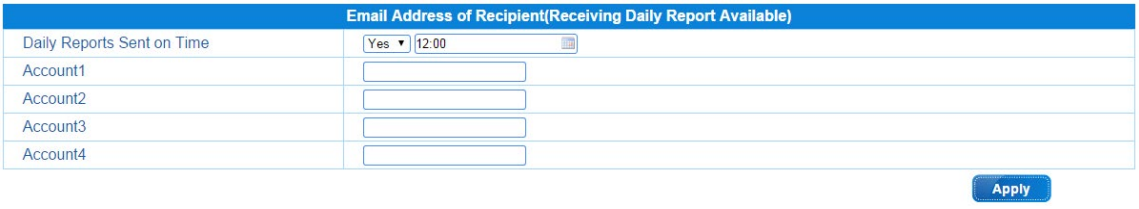


Figure4-33 Email address of recipient (receiving daily report available)

Daily reports sent on time: set to “yes” to enable the function. And set the sending time in date box.

Account (1~4): set the email of recipients.

Test set

Figure4-34 Test set

Test e-mail recipient: enter the testing email of receiving email, click “send email” to test the setting.

CAUTION

The language of receiving mailbox should be in accord with that of SNMP Built-in card. If inconformity, it may cause the sending email messy code.

4.4 Log Query

It provides the query for event log, SMS log and UPS data.

4.4.1 Event Log

The page can look up and export happened event logs.

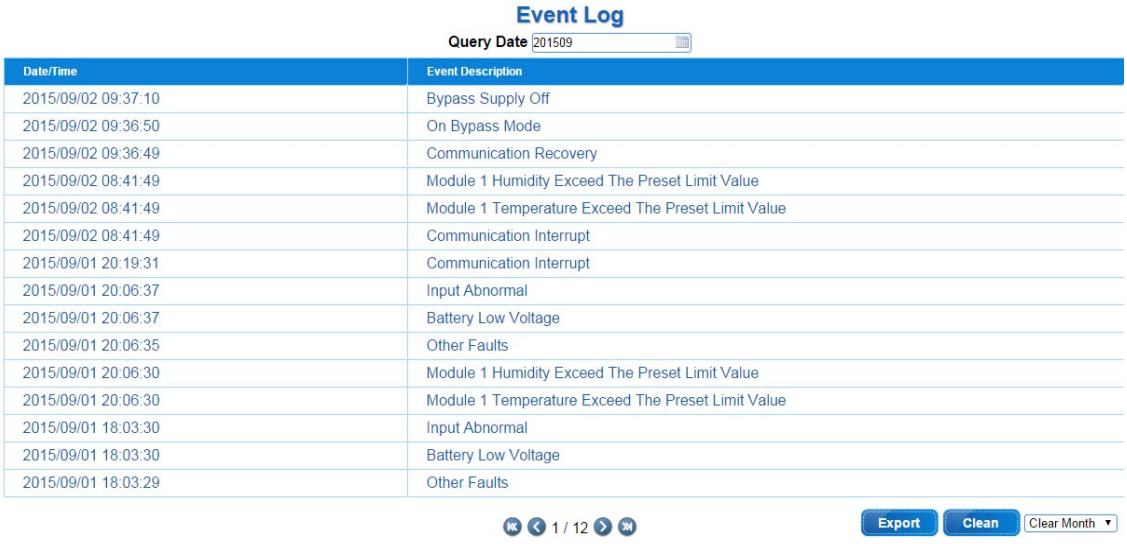


Figure4-35 Event log

Query date: click it to select the query date.

Export: export the event log of current month by Excel.

Clean: clear event log, you can select the clear date in pull-down list.

CAUTION

Once the event log is cleared, the data will not restore, please use the function with care.

4.4.2 UPS Data

The page can look up and export the UPS data logs.

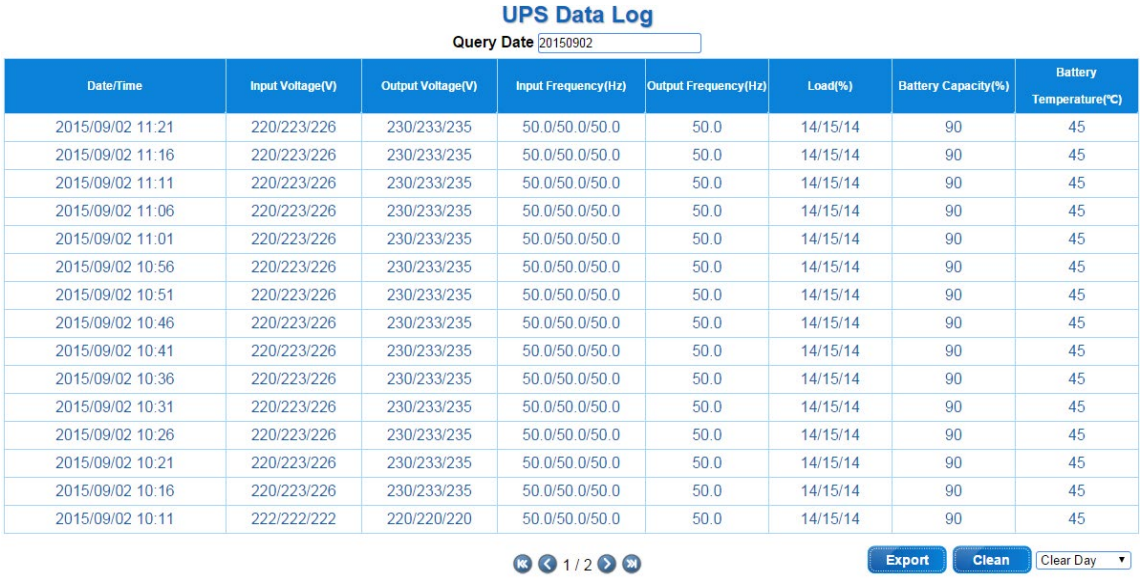


Figure4-36 UPS data log

Query date: click it to select the query date.

Export: export the UPS data log of that day by Excel.

Clean: clear UPS data log, you can select the clear date in pull-down list.

CAUTION

Once the UPS data log is cleared, the data will not restore, please use the function with care.

4.5 Other Functions

The module provides the function of firmware update, port debug and product manufacturer information.

4.5.1 Firmware Update

The page displays the firmware version and update method of the firmware.

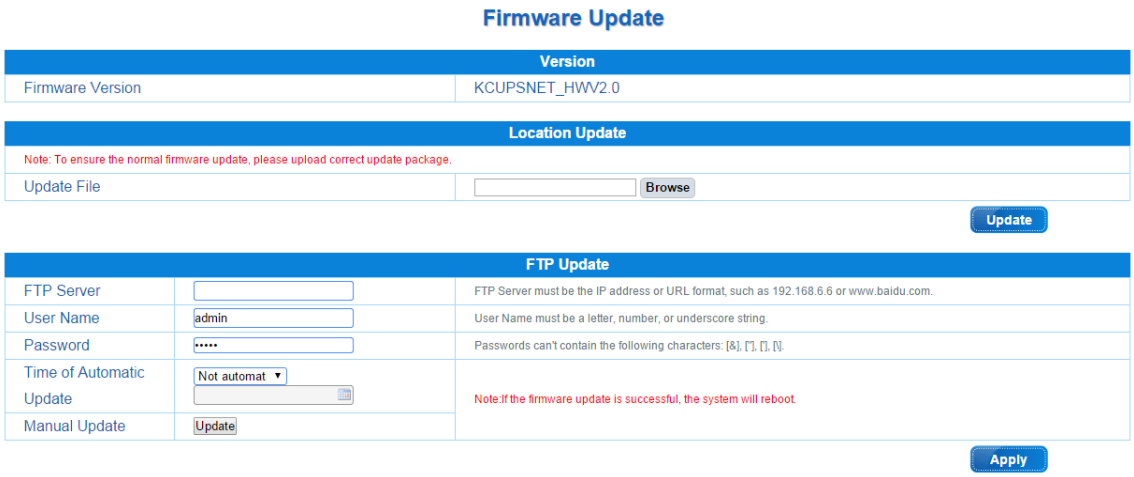


Figure4-37 Firmware update

Version

Firmware version: show the version information of current firmware.

Location update

Update file: select the folder of location update, click “update” to start the update.

FTP update

FTP server: set the FTP server address for saving the update file.

Username: username of FTP server.

Password: password of FTP server.

Time of automatic update: set the auto update time. If you choose the "weekly”, program will be updated every seven days.

Manual update: click “update” to start to update.

CAUTION

If there needs to use the function of FTP network update, the user network environment must support the FTP server transmission.

CAUTION

If there needs to use FTP server to update, it is necessary to put the update files to the root directory of FTP server.

CAUTION

If user's network does not support the FTP server transmission, please use location update.

4.5.2 Port Debug

It provides port information display and export function.

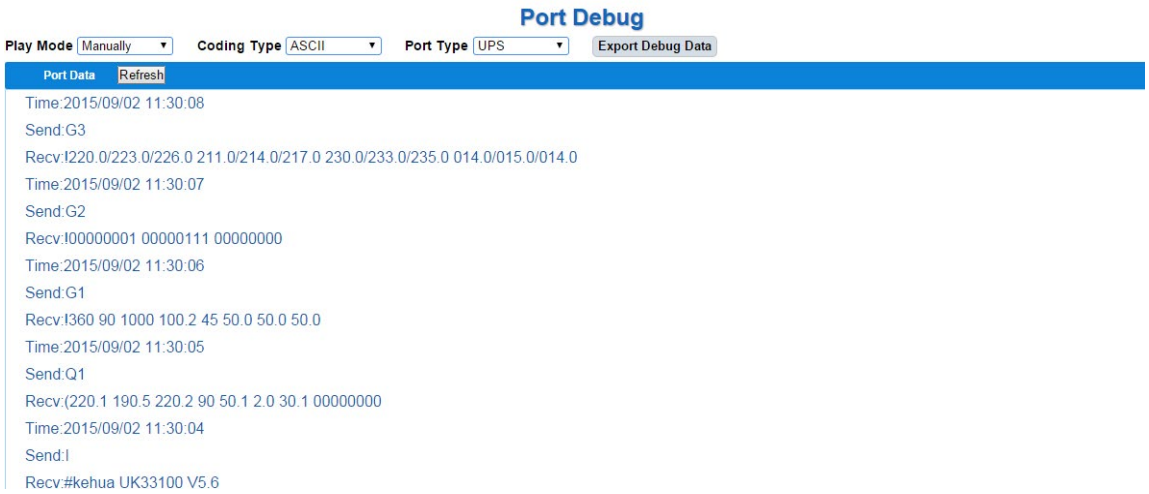


Figure4-38 Port debug

Play mode: it can be set to close, manually and auto mode.

Coding type: it includes ASCII code, hexadecimal.

Port type: it includes: UPS, Modem, RS485, System.

Export debug data: click the button to export the debug data by compressed files.

4.6 About

The page includes firmware information of SNMP Built-in card and manufacturer information.

About

Version Information	
Firmware Version	KCUPSNET_HWV2.0
Software Version	UPSNET_SWV1.64
Serial Number	-
Company Name	Kehua Hengsheng Co.,Ltd
Address	No.457,Malong Road,Torch High-tech Industrial Zone,Xiamen,Fujian,China
Telephone	0592-5160516
Fax	0592-5162166
Postal Code	361000
Website	http://www.kehua.com.cn

Figure4-39 About

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