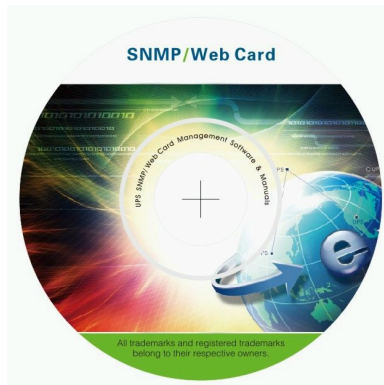


IP Power SE

Network Central Monitoring Management Software

User Manual



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1. Introduction

1.1 Overview

IP Power SE is a central monitoring management software which support multiple UPS centralized monitoring via network. When AC power in normal, it will clearly use data or graph to display UPS instant info(input/output voltage, frequency, load, temperature, battery capacity, etc.) IP Power SE help user to monitor the power supply quality and remote control UPS via network. When AC power fail or UPS battery capacity low, it can fully monitor UPS without human control. Except for automatically save and system shutdown function, IP Power SE also provide various alarm notifications like sound light, SMS, email etc. With such a central monitoring management function user can do early measures and no need to worry AC power fail will cause files get lost. Moreover, system can record the UPS operation history events, history data and logs.

IP Power SE program will automatically run before user login the computer, realize automatically monitor and manage UPS without administrator control. In today's internet rapidly growing popularity, the IP Power SE software with its power full 7*24 hours online central monitoring management function, must become the best partner of smart UPS.

1.2 Function

IP Power SE software can take remote control of UPS and provide 7 kinds of alarm notification, It use data and graph clearly display UPS instant status like voltage, frequency, load, battery, etc, and help users understand current quality of power supply.

- Central monitoring management for single-phase UPS, three-phase UPS, Temp & Humid sensors;
- Automatically monitor various working status of AC power, battery, inverter, bypass, self-test, etc;
- With pop up alarm message box to inform the user or administrator of power failure info;
- With pop up alarm message box to inform the user or administrator of UPS running change info;
- Support multi-media, NT message, email, modem, GSM modem alarm notification;

- Support to record UPS and each parameter of various running status history events history data;
- Program will automatically start before user login the system;
- Pass strict test, stable and reliable;
- Friendly user interface, easy to install and use;
- Support multi-user monitoring and management, provide different authorizations for user.

1.3 System Request

MS-Windows 98 or above operating system

30M free disk space

64M or above memory

PII or above CPU

15' displayer

1.4 Operating Systems

MS-Windows NT

MS-Windows 2000

MS-Windows XP

MS-Windows 2003

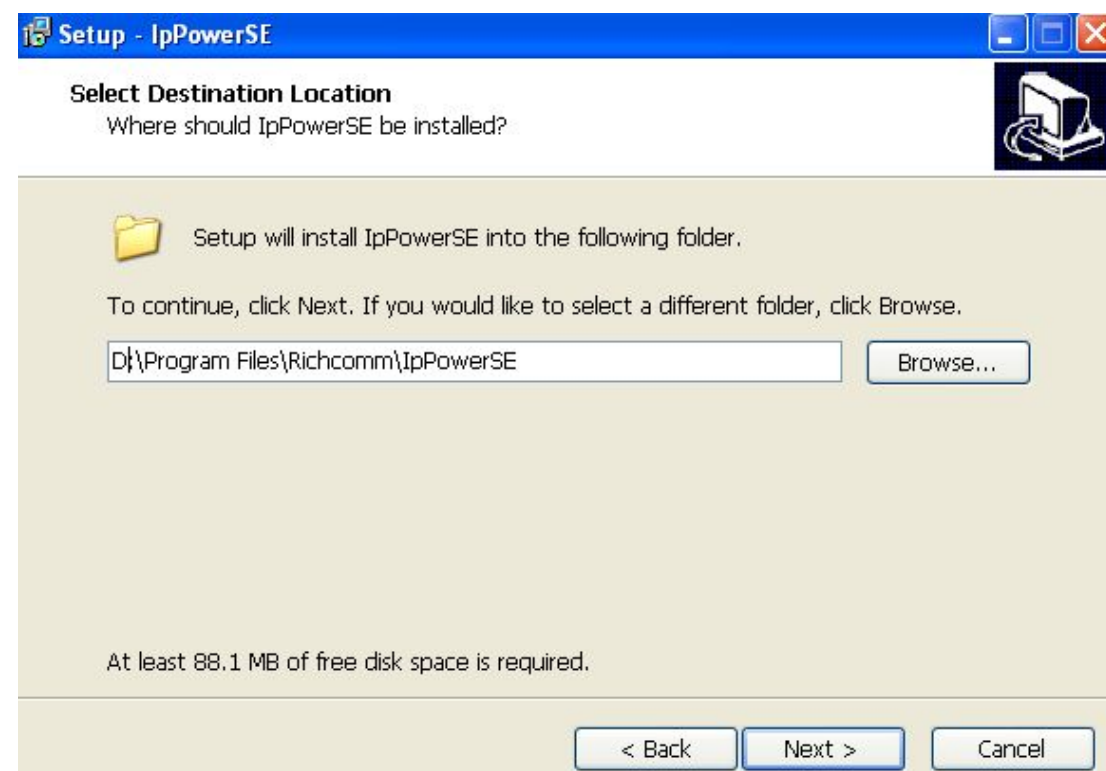
MS-Windows 7

MS-Windows 2008

2. Install, Start, Exit and Uninstall

2.1 Install

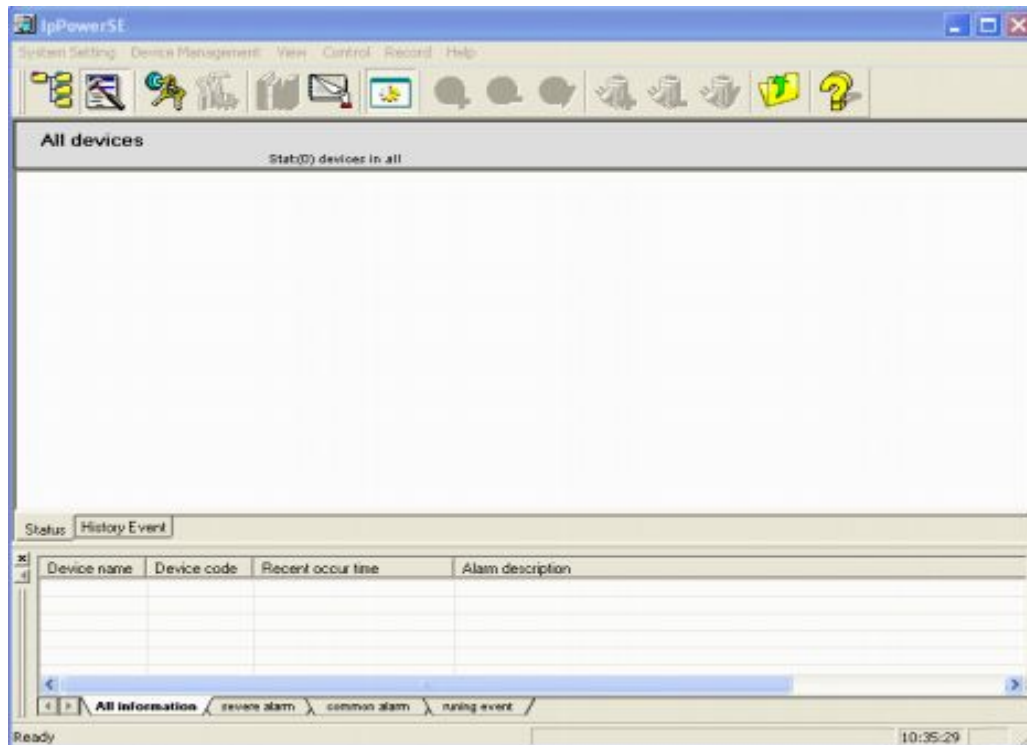
Install the CD of IP Power SE, click “Install Product” button on the screen and the program automatically start unzip and install. During processing, user only need to choose the install directory and type.



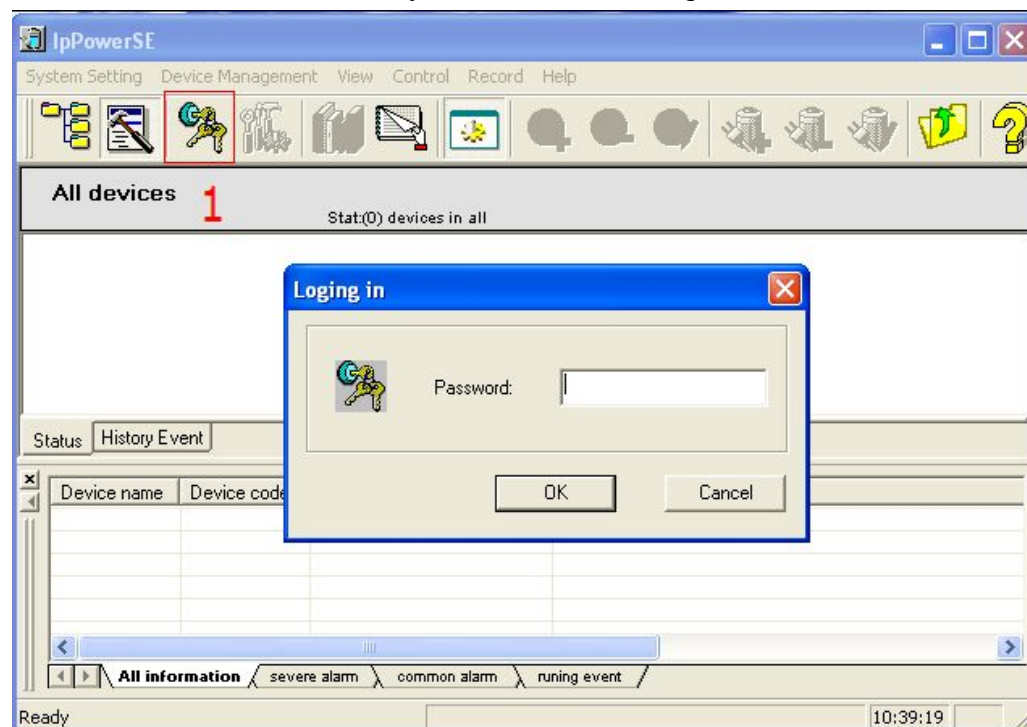
2.2 Start

Start IP Power SE Web Interface

The program will automatically inquire user whether need to start IP Power SE immediately after finished installation, User also can choose start IP Power SE through “Start”—“Program”—“IP Power SE”, Open IP Power SE, if not login only with “check” permission, if login user can do software settings.



For the first time installation, please press marked “1” to sign in like below, then you are authorized to do add or modify device. The default password is vacant;

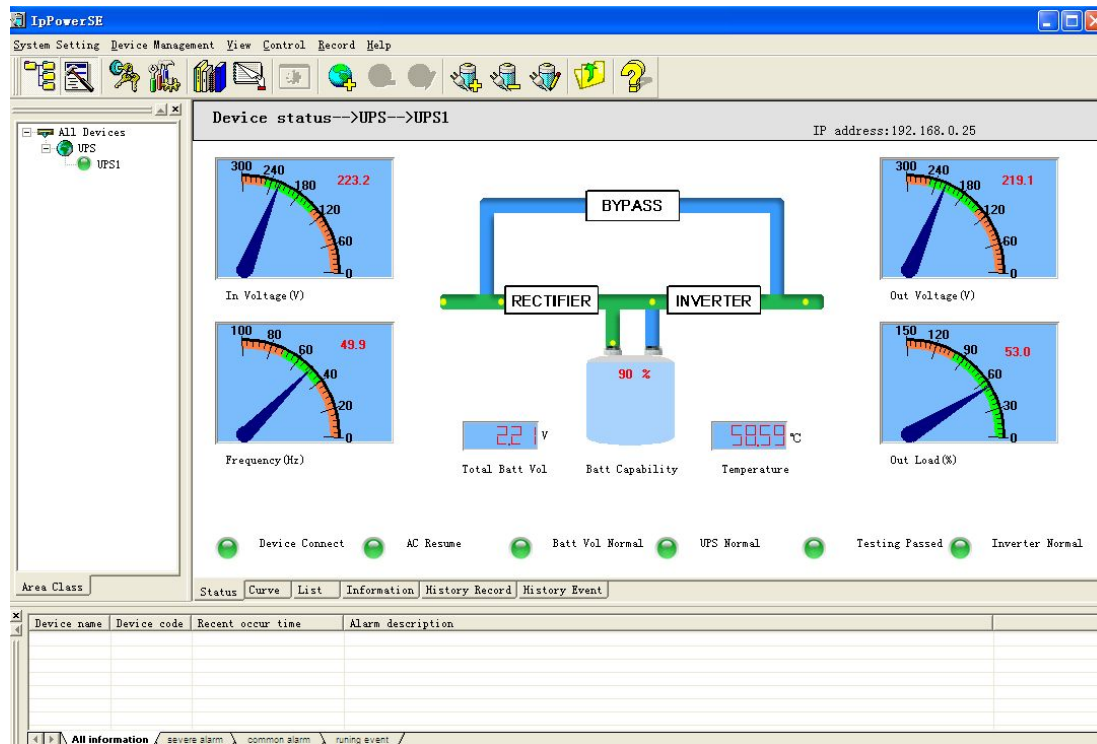


2.3 Exit

Click the “Close” button at top right is just close user interface but not exit program, right click the system IP Power SE icon at right bottom, choose “Exit” in the menu can exit IP Power SE program.

3. Main User Interface

IP Power SE main user interface includes 6 parts: Menu, Tool, Navigation area, Main Window, Information area and Status, as below:



3.1 Menu

This part listed all the functions of IP Power SE, including systems, view, manage, control, record and help.

3.1.1 “System Setting” Menu

System setting menu including 8 sub-menu: System Setting, Client Crisis Processing, Server Crisis Processing, Copy for Data, Revert Data, Logout, Modify Password and Exit.

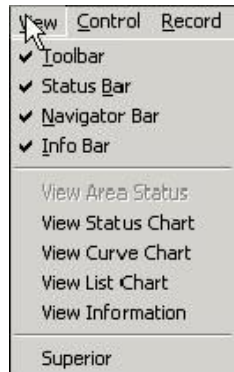


3.1.2 “Device Management” Menu

Device Management Menu including 6 sub-menu: Add Device, Modify Device, Delete Device, Add Area, Modify Area and Delete Area.



3.1.3 “View” Menu



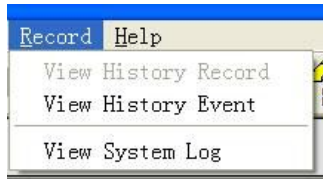
3.1.4 “Control” Menu

Control menu: Testing and Turn on/ off.



3.1.5 “Record” Menu

“Record” Menu: History Record, History Event and System Log.



3.1.6 “Help” Menu

“Help” Menu: “About IP Power SE”, “Tips of the Day”, “System help” and “View and renew”.



3.2 Toolbar

Toolbar is listed some common shortcut keys,, including Navigator, Information, Login, System Configuration, History Event, History Record, Add Area, Delete Area, Modify Area, Add Device, Delete Device, Modify Device, Superior and Help.



3.3 Navigator Tree

For quick query and display device.

3.4 Main Window

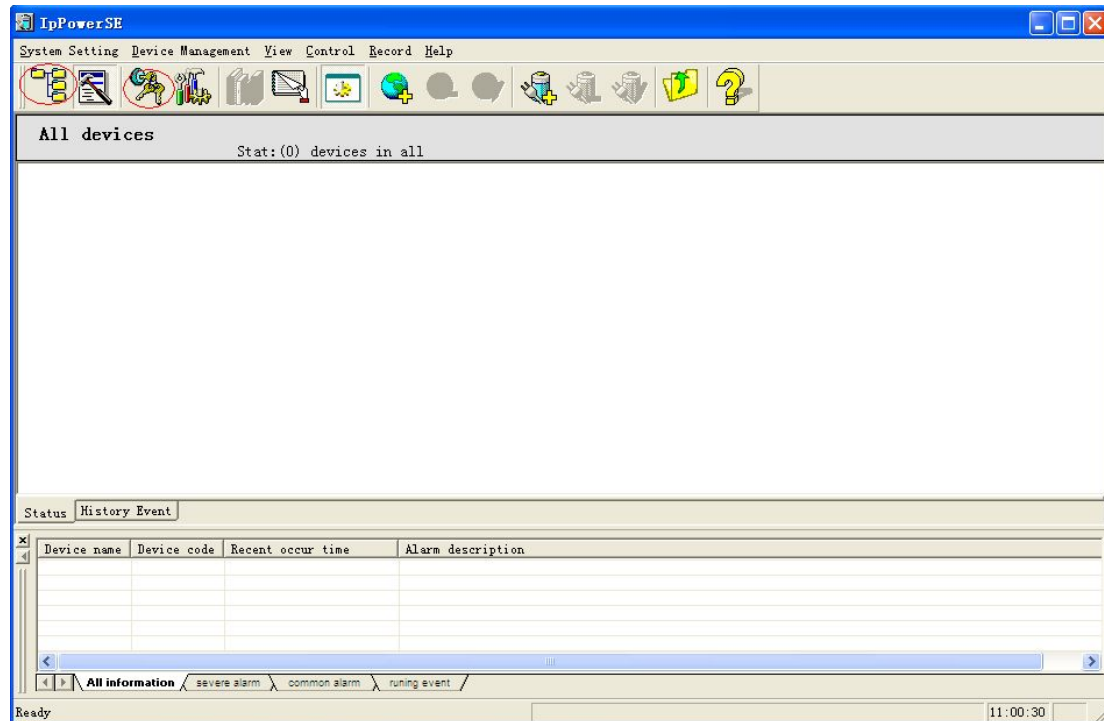
Display current selected device running status.

3.5 Warning Bar

Display current alarm device. When alarm cancel, the related alarm device will automatically cancel

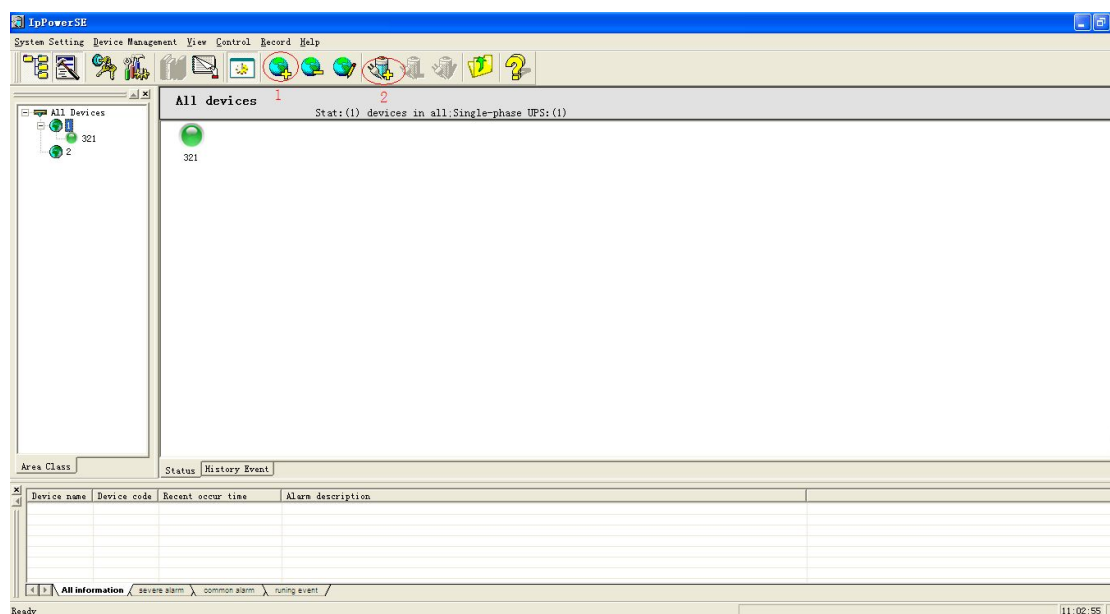
4. Device Monitoring

If IP Power SE is newly installed or have not been used before, the user interface will display as below after user run the program and sign in



4.1 Add Area

Click the marked “1” like above picture to enter management page. If not sign in IP Power SE only with “View” function , without management, configuration and control functions. Then click marked “2” will display the Navigator Treelike below:

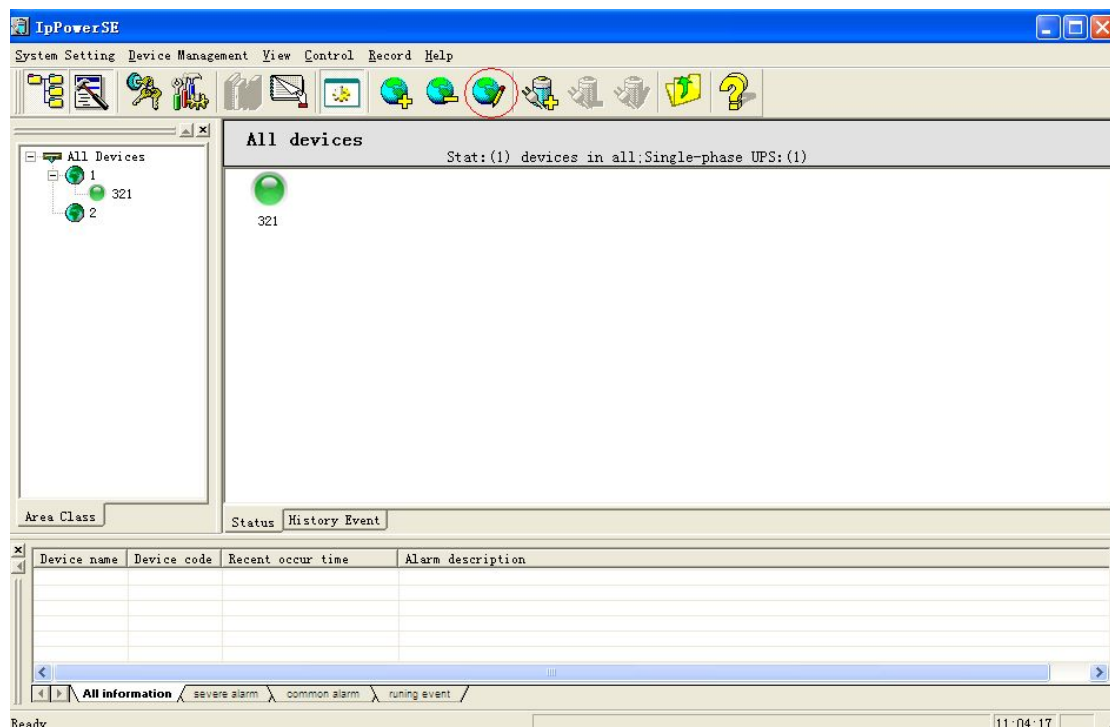


Click above picture marked “1” for area division. If few devices or no need to divide area, please click marked “2” as above can add device directly. After click add area will display as below:



The 'Add Area' dialog box contains two text input fields: 'Area name:' and 'Remark:'. Below these fields are two buttons: 'Add' and 'Cancel'.

After Input “Area Name” and “Remark”, click the “Add” button like below marked, add area will be finished and display as below:



If want to modify ‘Area Name’ or ‘Remark’ again, choose related area in navigator and click “Modify Area”.

4.2 Add Device

Choose navigator area, click “Add Device” in toolbar to add device as below:

The 'Device' dialog box contains the following fields and controls:

- Information:**
 - Name:
 - Code:
 - ☐ Access the IP address automatically
 - Locus:
 - IP address:
 - Types:
- Buttons: , ,
- Text: Expound: press "advanced" to set more information for the device, or the default must be used!

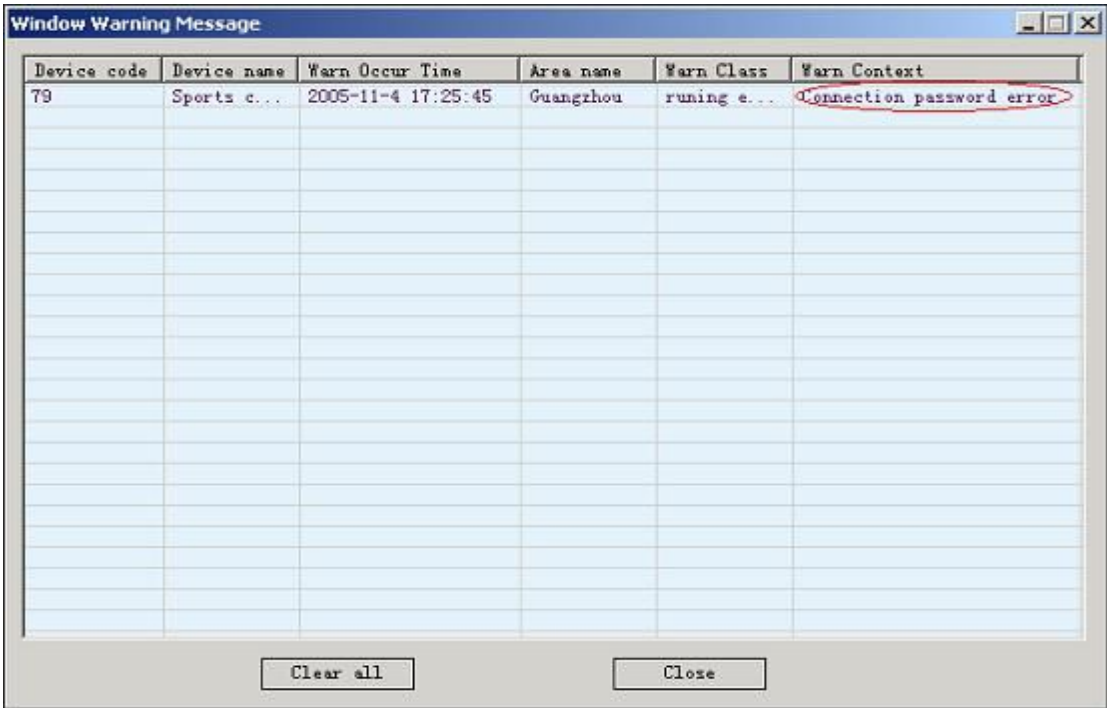
In general situation input device “Name”, “Code” and “IP Address” and then select the monitored device type(Notice:device type must be accord with SNMP card). If want to do advanced configuration, please click“Advance” button:

The 'Device' dialog box contains the following fields and controls:

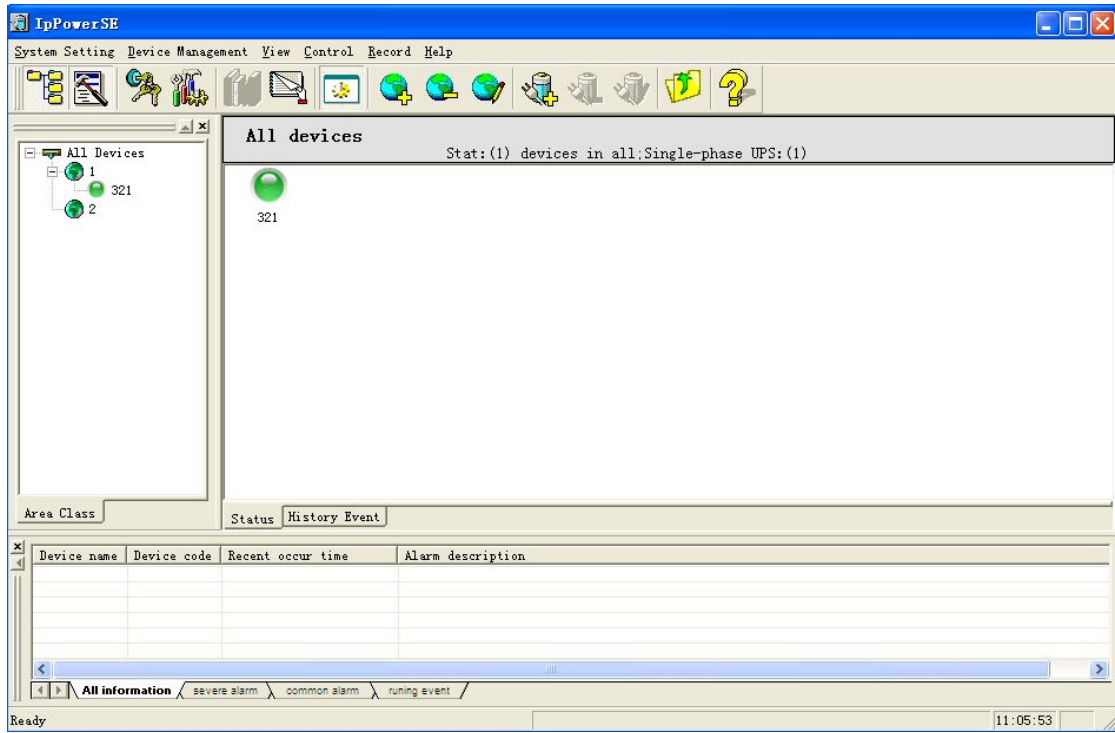
- Information:**
 - Name:
 - Code:
 - ☐ Access the IP address automatically
 - Locus:
 - IP address:
 - Types:
- Buttons: , ,
- Text: Expound: press "advanced" to set more information for the device, or the default must be used!
- Advanced Configuration:
 - Interval for saving the history data: minutes
 - Request data Every secs
 - Remaining time for discharge less than %
 - Battery hour:
 - COM PORT COM:
 - Dispark:
 - Verify code:
 - MAC address:
 -
 - Remark:

“Interval time of history data store” is to set internal time to record UPS history data. For example, if user set 20 minutes, IP Power SE will record the running data every 20 minutes.

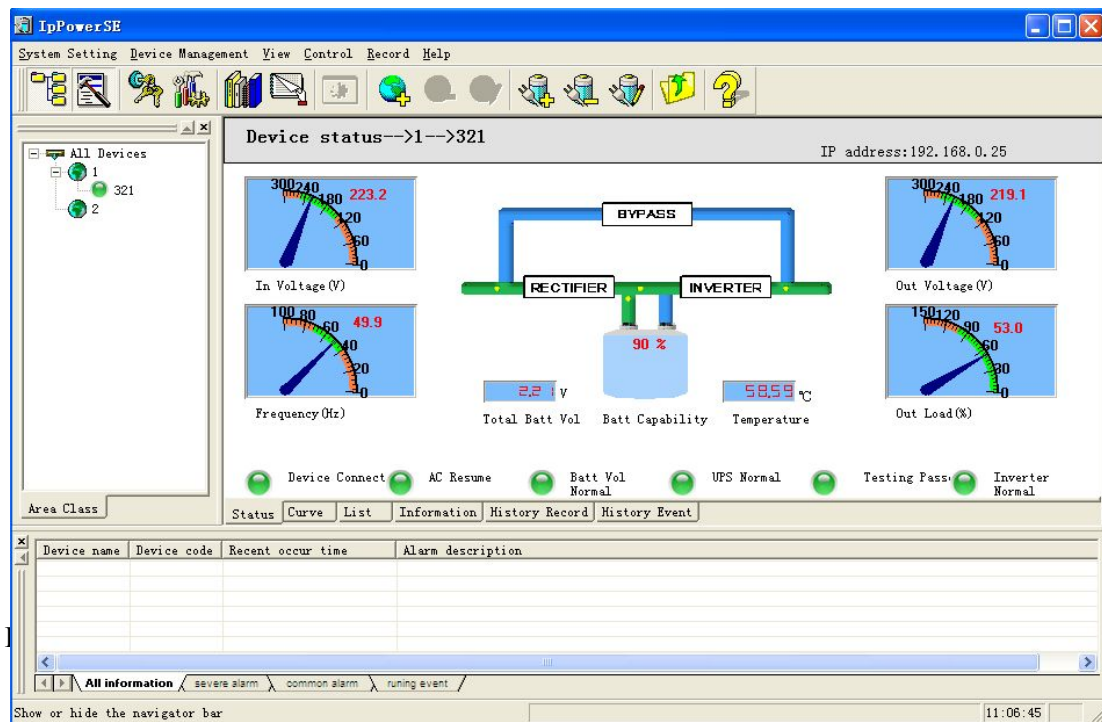
Default “open” status is “Y”, if choose “N”, the status will not display in navigator, only display in area status, “Check Code” is the communication command between SNMP card and IP Power SE, default is Richcomm, be notice that the check code must be accordance with SNMP card, if not, IP Power SE will pop out warning box.



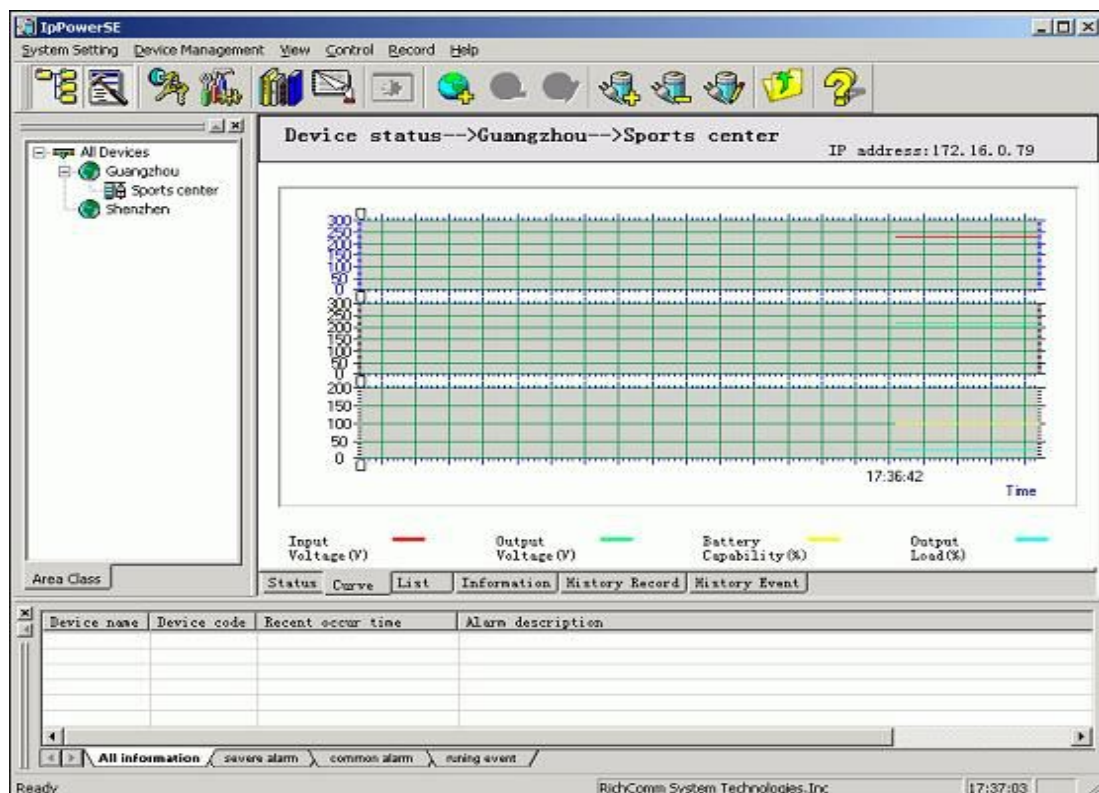
After adding device will display as below:



Choose a device and right click, then choose “Device Status” , the Main Window will display device current status as below:



Below still have another five devices webpage in main window:



IpPowerSE

System Setting Device Management View Control Record Help

Device status-->1-->321 IP address:192.168.0.25

Signal Name	Signal Parameter	Unit	Memo
Show Sort			
Real-time run data per...			
UPS Input Voltage	223.19	V	
UPS Output Voltage	219.10	V	
UPS Output Load	53.00	%	
UPS Input Frequency	49.90	Hz	
UPS One Battery Voltage	2.21	V	
UPS Temperature	58.59	Celsius	
Total Battery Voltage	2.21	V	
Real-time alarm state...			
Enable/Disable Spea...	Unable Speake		
Shutdown status	UPS Normal		
Testing Status	Testing Passed		
UPS Type	On-Line		
UPS Failure Status	UPS Normal		

Area Class

Status Curve List Information History Record History Event

Device name	Device code	Recent occur time	Alarm description

All information severe alarm common alarm running event

Ready 11:14:56

IpPowerSE

System Setting Device Management View Control Record Help

Device status-->1-->321 IP address:192.168.0.25

Manufacturer Information

Manufacturer: 11111111111111111111

Version: 3333333333

Model: 2222222222

Device information

Name: 321 Code: 0

Locus: 1 Types: single-phase V

IP address: 192.168.0.25 Verify code: RICHCOMM

Interval for saving the history data: 0 minut Request data Every 20 secs

Remaining time for discharge less than 20 % Battery maintenance 2 hour:

Dispark: yes

MAC address:

Remark:

Rating Information

Voltage: 230.0 V

Current: 100 A

Battery voltage: 192.0 V

Frequency: 50.0 Hz

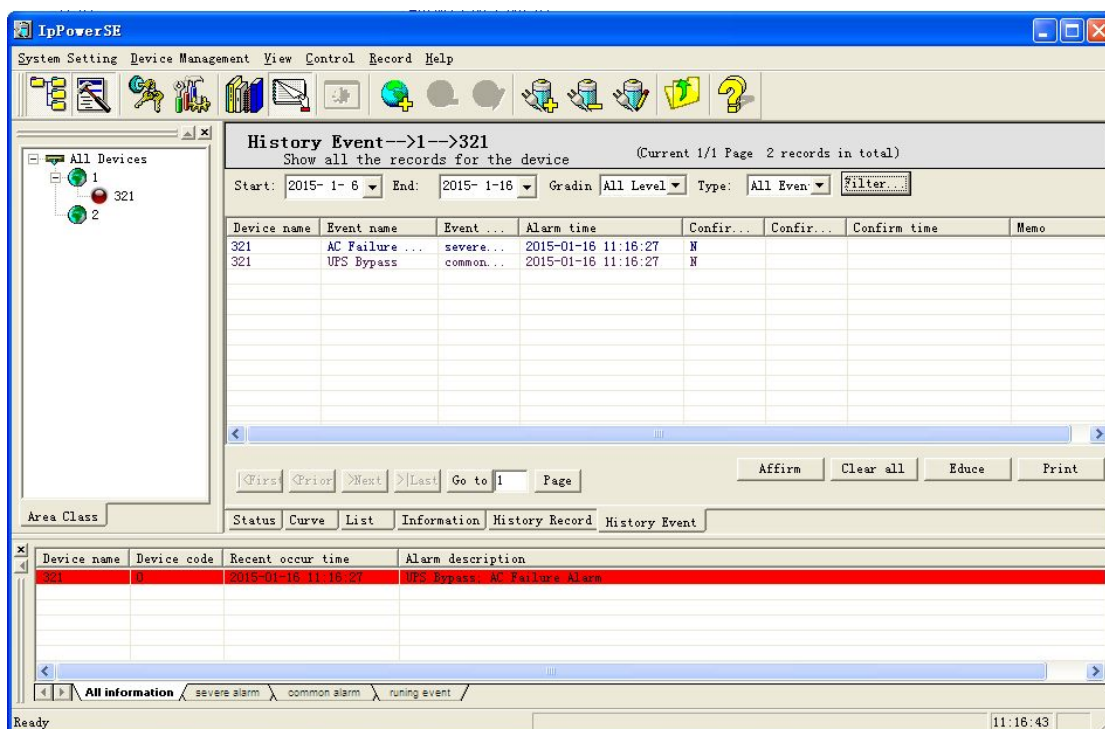
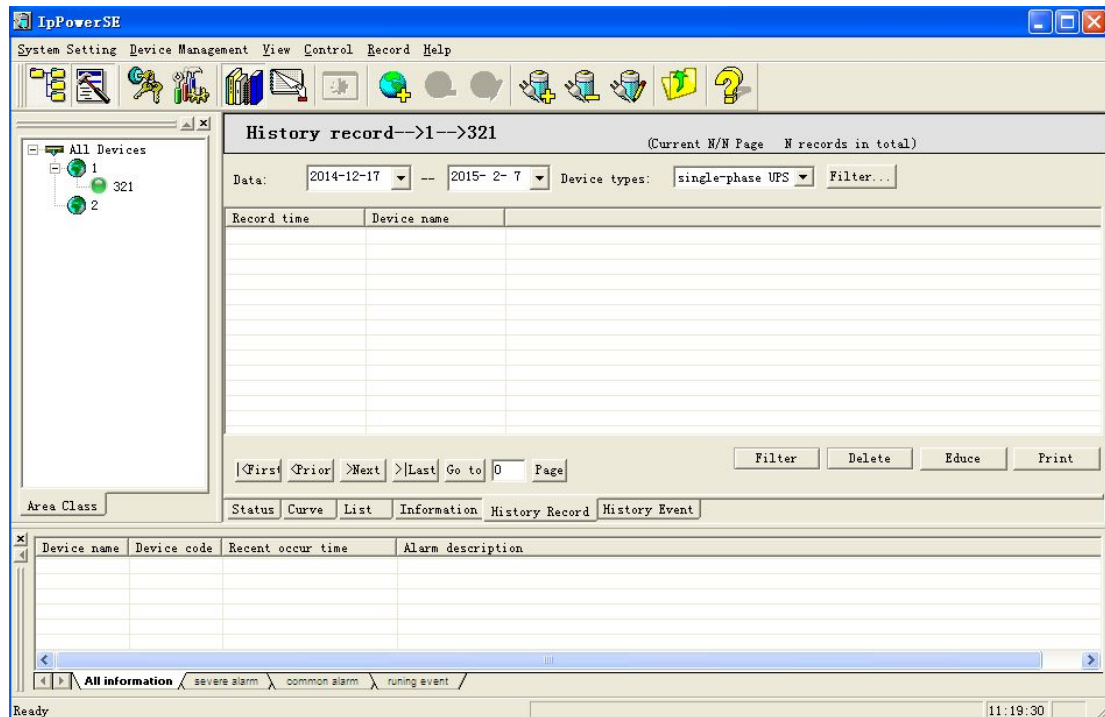
Area Class

Status Curve List Information History Record History Event

Device name	Device code	Recent occur time	Alarm description

All information severe alarm common alarm running event

Ready 11:13:53



5.1 System Setting

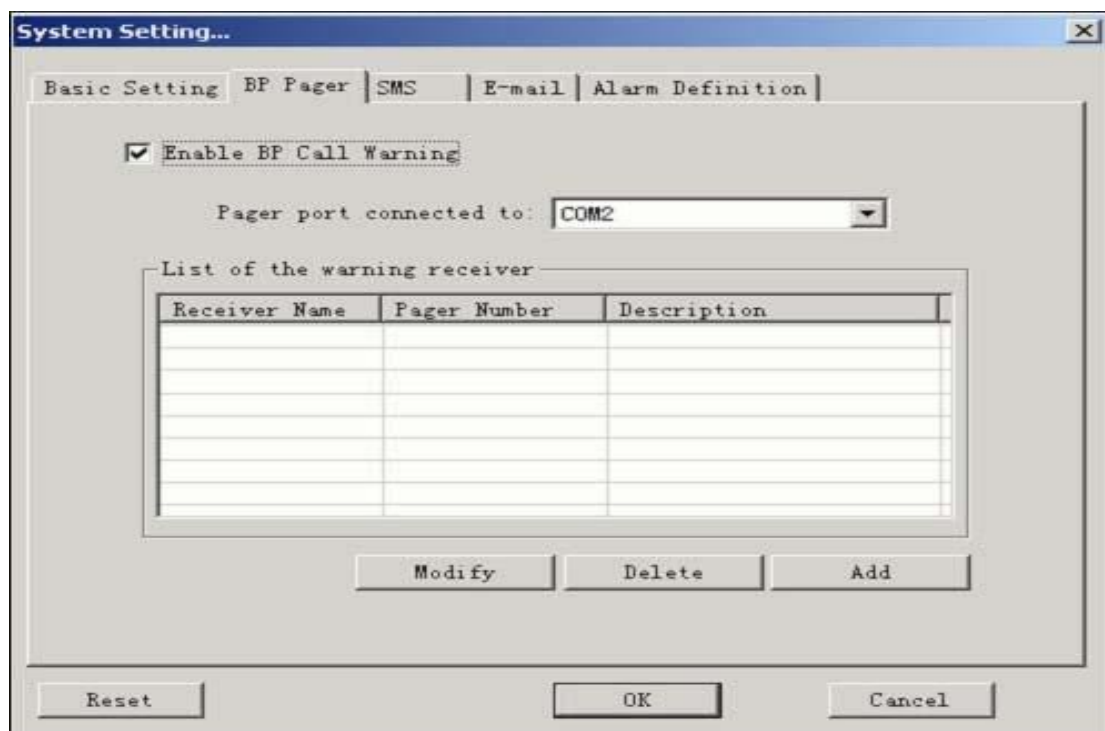
5.1.1 Basic Setting.

Default is “pop-up” warning: voice warning pop-up and messenger warning pop-up. If user want to connect sound notifications to speaker: “Environment parameter setting” is the device temperature and humidity alarm threshold. When temperature or humidity status over the setting value, IP Power SE will automatically send alarm notifications.



5.1.2 Beeper

Default is closed status. If want use beeper function, please enable it. If not, please don't enable this function otherwise will occupy serial port and affect other serial ports. The beeper normally directly plug-in computer serial port, no need to install the drive program.



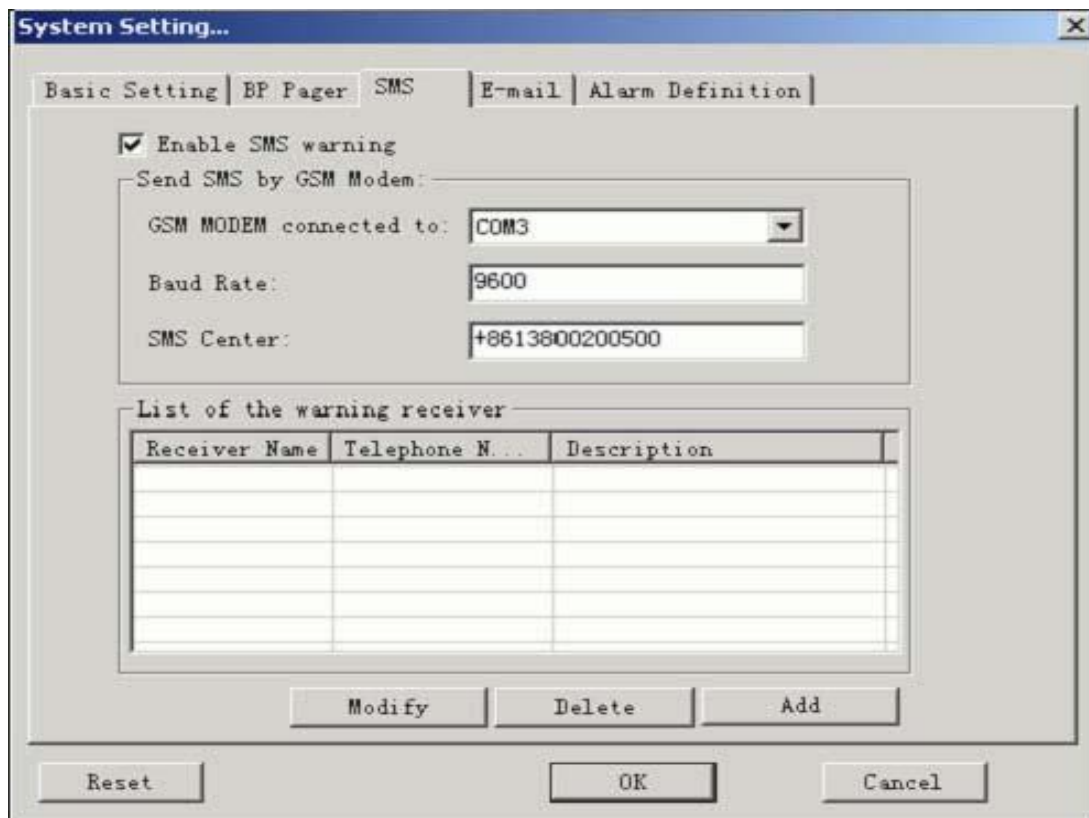
After adding alarm receiver of beeper, please click “Add” button as above picture, then input the receiver name and BP number. When finish adding, users can modify/delete receiver.



A dialog box titled "Add warning receiver" with a close button (X) in the top right corner. It contains three input fields: "Receiver name:" with the text "Manager2", "Telephone number:" with the text "13812345678", and "Description:" which is an empty text area. At the bottom, there are two buttons: "OK" and "Cancel".

5.1.3 SMS

IP Power SE can connect with GSM Modem. If user want to use SMS alarm notification function please enable it. Procedure pls refer below picture, choose accordance serial port which is connected with GSM modem, Baud Rate setting depends on the specific Modem setting, normally is 9600. SMS center setting also different by different sim card operator.

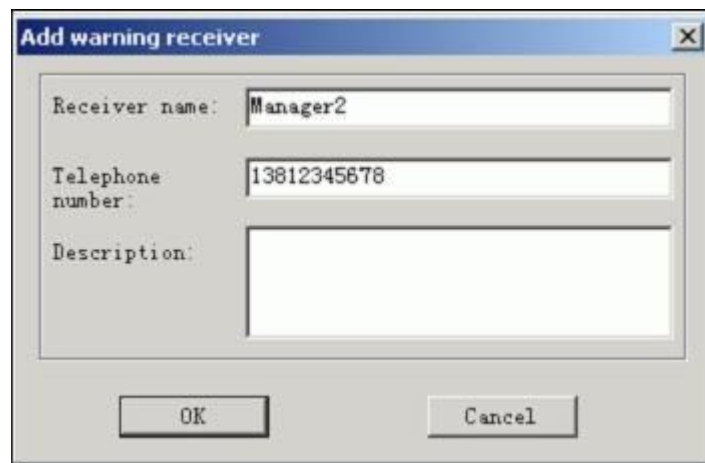


A "System Setting..." dialog box with multiple tabs: "Basic Setting", "BP Pager", "SMS", "E-mail", and "Alarm Definition". The "SMS" tab is selected. It features a checkbox "Enable SMS warning" which is checked. Below it is a section "Send SMS by GSM Modem:" containing three fields: "GSM MODEM connected to:" with a dropdown menu showing "COM3", "Baud Rate:" with the value "9600", and "SMS Center:" with the value "+8613800200500". At the bottom of the dialog are buttons for "Reset", "OK", and "Cancel".

List of the warning receiver

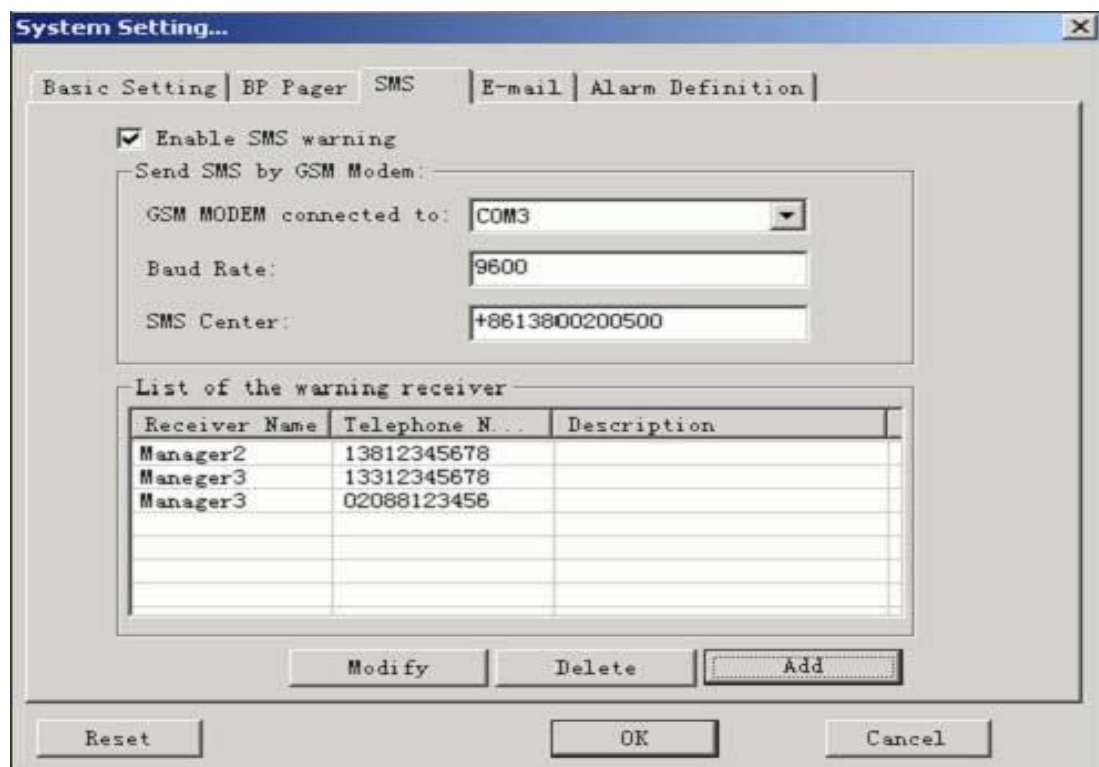
Receiver Name	Telephone N...	Description

Buttons: Modify, Delete, Add



A dialog box titled "Add warning receiver" with a close button (X) in the top right corner. It contains three input fields: "Receiver name:" with the text "Manager2", "Telephone number:" with the text "13812345678", and "Description:" which is an empty text area. At the bottom, there are two buttons: "OK" and "Cancel".

SMS alarm notification support multi-receiver:



A "System Setting..." dialog box with tabs for "Basic Setting", "BP Pager", "SMS", "E-mail", and "Alarm Definition". The "SMS" tab is selected. It features a checkbox "Enable SMS warning" which is checked. Below it, "Send SMS by GSM Modem:" is indicated. A sub-section contains three fields: "GSM MODEM connected to:" with a dropdown menu showing "COM3", "Baud Rate:" with the value "9600", and "SMS Center:" with the value "+8613800200500". Below these is a section titled "List of the warning receiver" containing a table with three columns: "Receiver Name", "Telephone N...", and "Description". The table lists three entries: "Manager2" (13812345678), "Manager3" (13312345678), and "Manager3" (02088123456). At the bottom of the dialog are buttons for "Reset", "Modify", "Delete", "Add", "OK", and "Cancel".

Receiver Name	Telephone N...	Description
Manager2	13812345678	
Manager3	13312345678	
Manager3	02088123456	

5.1.4 Email

Enable email warning can send email alarm notification. SMTP address: input IP address or domain name, and then input send email address, user name, password.

System Setting...

Basic Setting | BP Pager | SMS | **E-mail** | Alarm Definition

☒ Enable E-mail warning

SMTP Server:

Send Email Address:

☐ SMTP Authentication:

User Name:

Password:

List of the warning receiver

Receiver Name	E-mail address	Description

Modify Delete Add

Reset OK Cancel

5.1.5 Warning Definition

Warning definition is used for defining the warning level, warning voice broadcast setting, etc.

System Setting...

Basic Setting | BP Pager | SMS | E-mail | **Alarm Definition**

List of Warning

Device types:

Event name	Alarm times	Interval	Alarm Level
☒ Turn Off Alarm	1	1	severe alarm
☒ Testing In Progress	1	1	runing event
☒ UPS Failure Alarm	1	1	common alarm
☒ UPS Bypass	1	1	common alarm
☒ Battery Voltage Low	1	1	severe alarm
☒ AC Failure Alarm	1	1	severe alarm
☒ UPS Disconnect	1	1	common alarm
☒ Network Interruption	1	1	runing event
☒ Connection Passwo...	1	1	runing event
☒ Control defeat	1	1	runing event
☒ NetMate type unma	1	1	runing event

Modify

Reset OK Cancel

Double click the warning information where need to be modified. If user want to set an alarm that continuously broadcasted for where no administrator on duty, please enable “continuous alarm until the alarm had been canceled or confirmed” and set the interval time for voice broadcast; simultaneously user can customize the warning level, can enable computer execute external program when an alarm occur or cancel.

Modify User Warning

Basic information

Event name: AC Failure Alarm Alarm code (BP): 0

☒ Enable warning when alarmed

☐ continuous alarm until the alarm had been canceled or affirmed

Alarm times: 1 alarm interval: 1 minutes

Alarm Level: severe alarm

☒ Execute external program Open...

☒ Give me some warning when alarm cancelled

Cancel alarm code (BP): 0

☒ Executing exterior progr Open...

OK Cancel

The alarm confirmation is in the “History Event” page. If alarm have not been cancelled or unconfirmed, user can double click to confirm, and above setting alarm level will classified display in warning bar.

History Event-->Guangzhou-->Sports center
Show all the records for the device (Current 1/1 Page 3 records in total)

Start: 2005-10-25 End: 2005-11-4 Gradin All Level Type: All Event Filter...

Device name	Event name	Event...	Alarm time	Confir...	Confir...	Cos
Sports ce...	Network Normal	runing...	2005-11-4 17:55:5			
Sports ce...	Network Interruption	runing...	2005-11-4 17:54:34	N		
Sports ce...	Connection Password Error	runing...	2005-11-4 17:25:45	N		

For device:Sports center To send on a modif... OK Cancel

Area Class Status Curve List Information History Record History Event

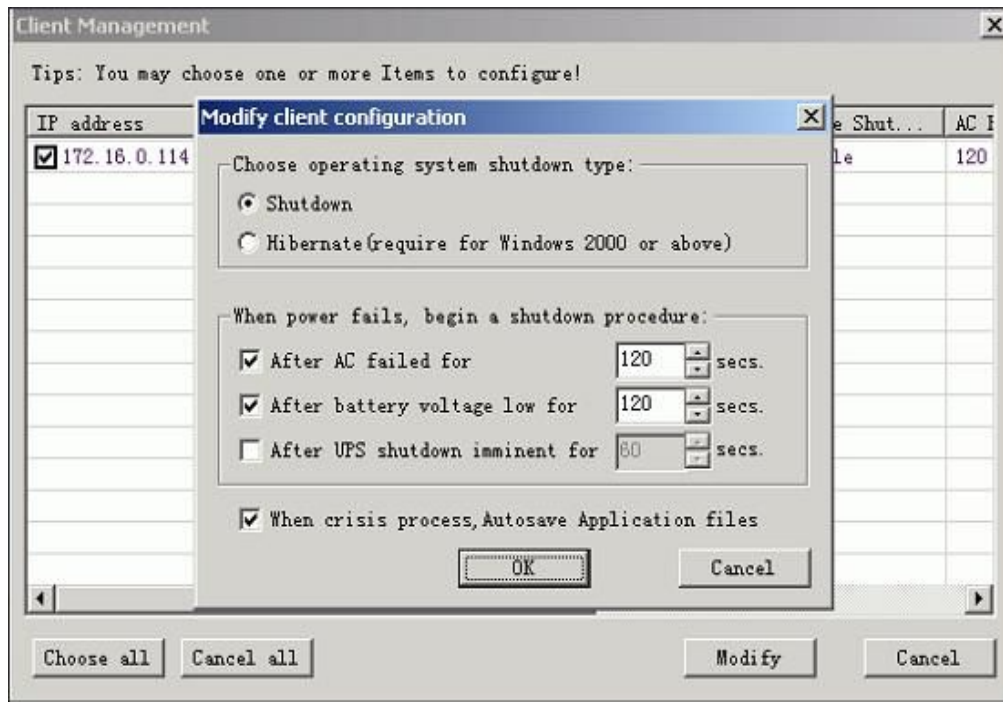
Device name Device code Recent occur time Alarm description

All information severe alarm common alarm runing event

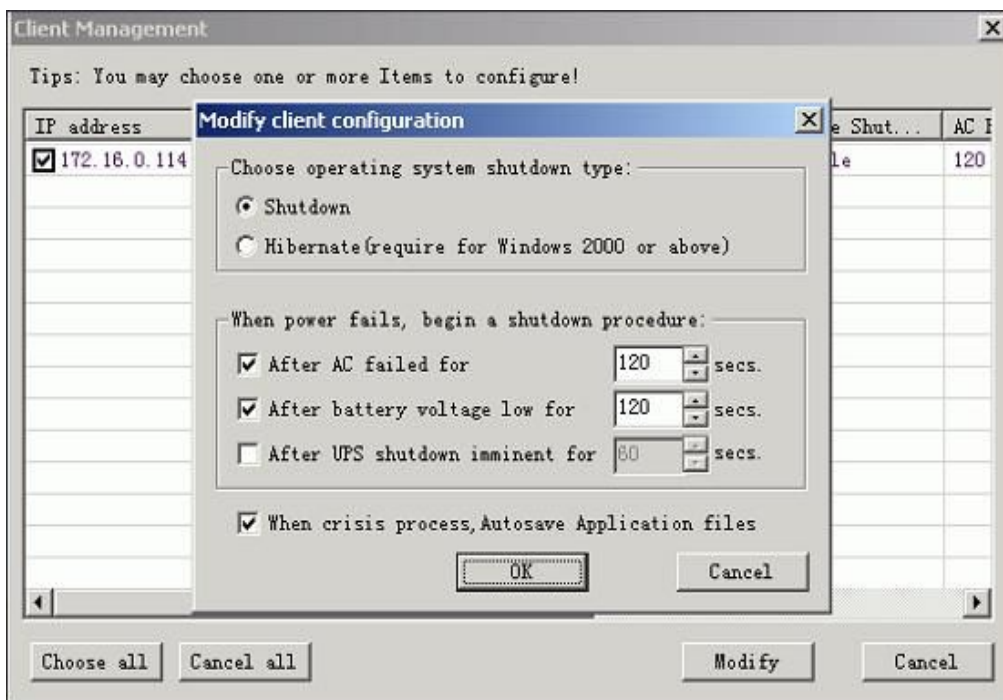
5.2 Crisis Process

5.2.1 Client Crisis Process

If client pc have installed IP Power client and already authorized to server for management, please open the client crisis process will display as below:

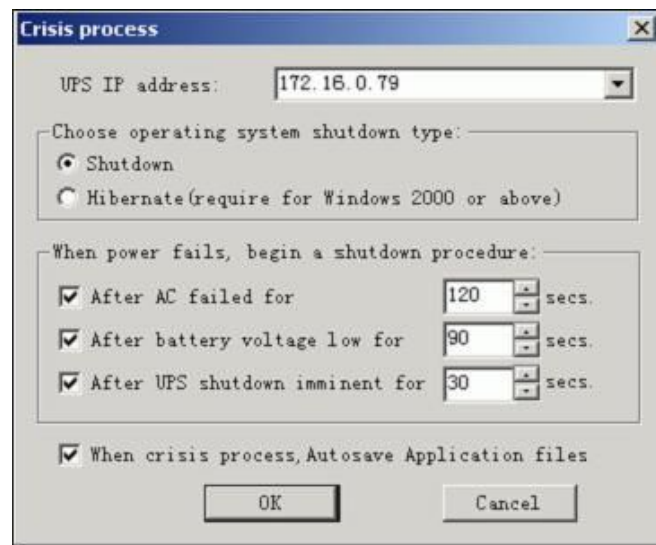


If there are have multiple pc, please choose one of them and click modify can set client crisis process(Notice: the object of client crisis process is the client setting pc, not the operating pc)

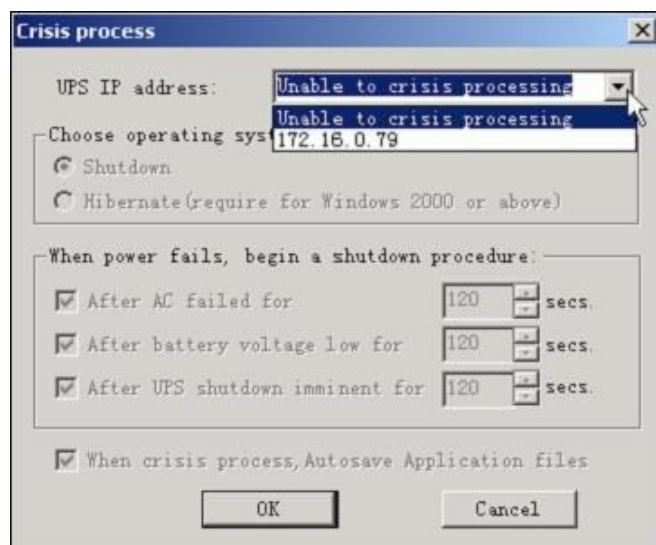


5.2.2 Server Crisis Process

Open the “Server crisis process” to choose a network alarm UPS to execute crisis process



After selecting the IP address (SNMP card IP address), user can set crisis management for the server.



5.5 Log out

After log out system will recover to the initial sign in status.

5.6 Modify Password.

To modify administrator sign in password.

5.7 Exit

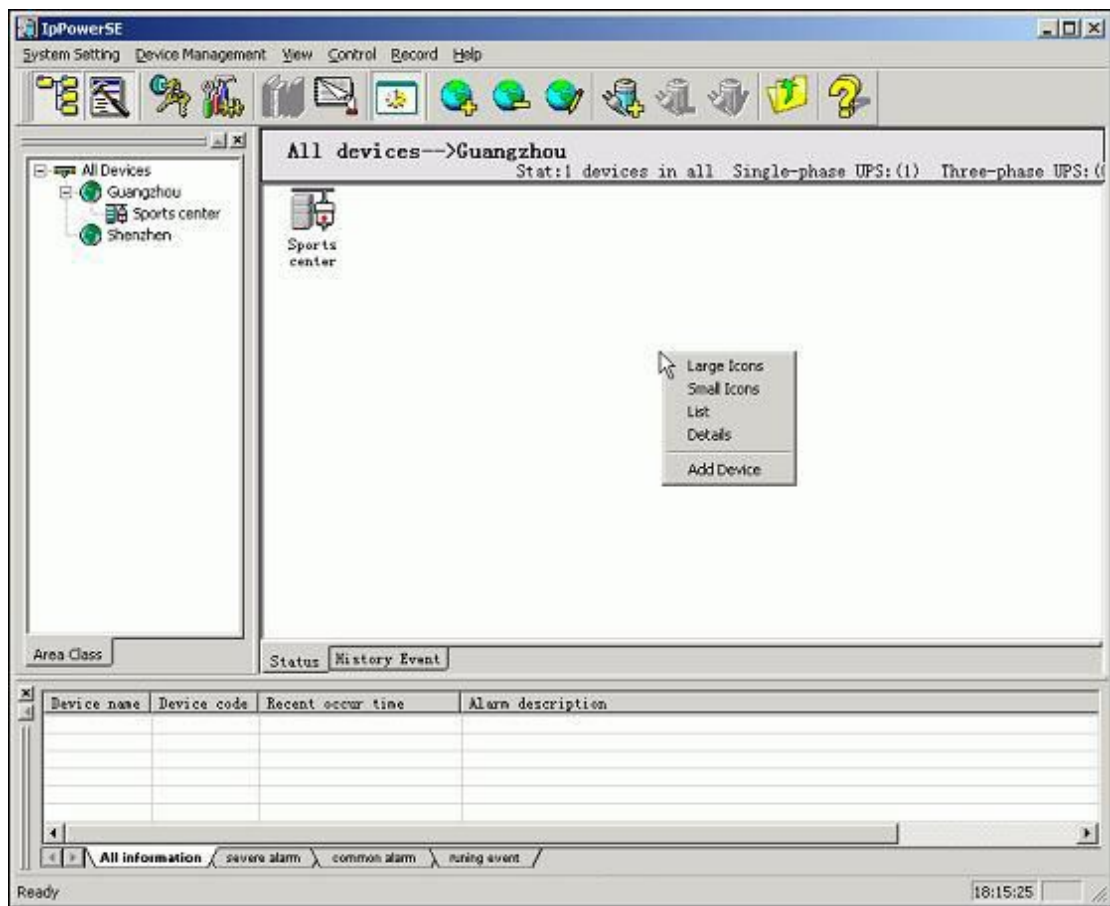
6. “Device Management” Menu

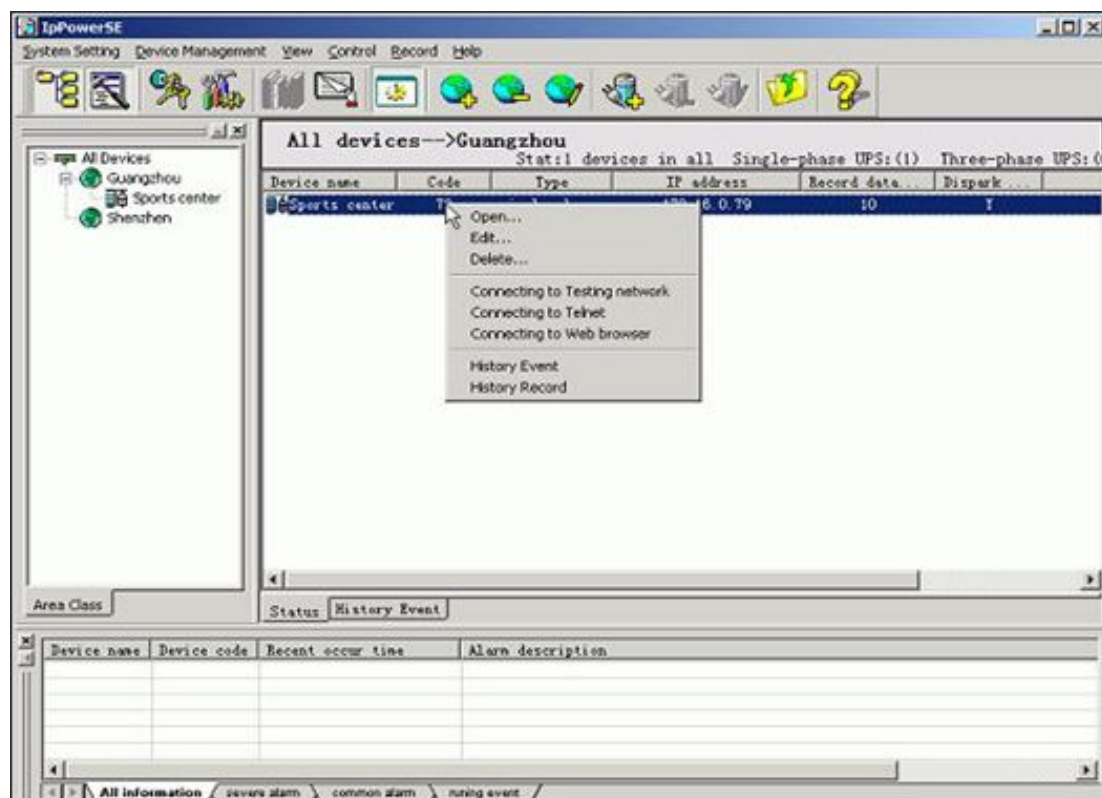
Device management function is used to add, modify, delete area/device. Newly installed IP Power SE add area /device through “Device Management” menu or use the shortcut button in toolbar.

When under Area Status, The Main Window will display the area all devices status, right click blank of main window can choose area devices display. Choose “Detail information” :check each of device detail information.

IP Power SE provides fast check, sign in and modify device under Area Status.

Specific procedure is to choose the device and right click, the menu will display and this time user can check the device status, edit the deleted device, Ping IP/Telnet, remote sign in SNMP card by webpage





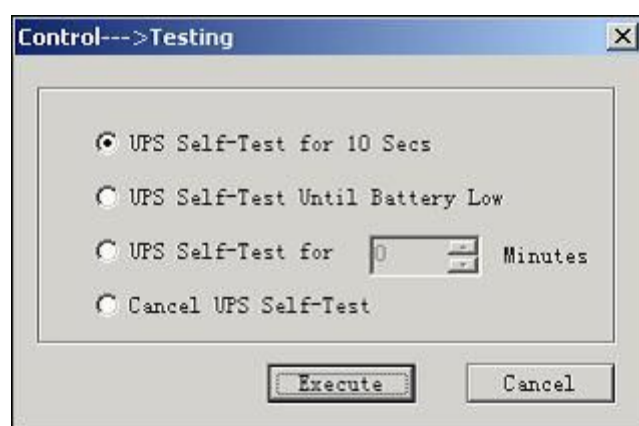
7. “View” Menu

View Menu is to set IP Power SE display status and device status, for example whether to show toolbar, status bar, navigator bar and information bar in user interface, or to view the device status graph, curve graph, list graph and property.

8. “Control” Menu

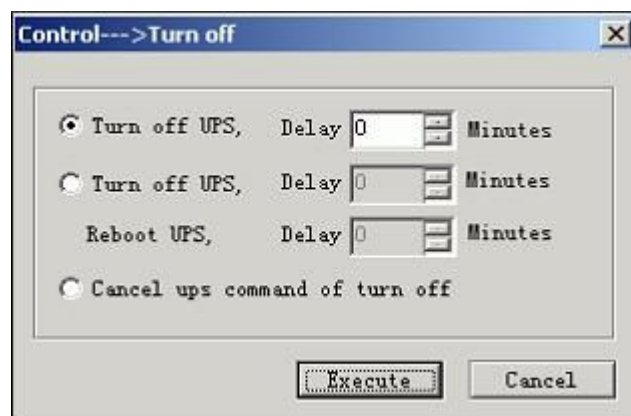
8.1 Control/Test.

Use for UPS self-test and cancel test.



8.2 Turn on/Turn off

Use for UPS turn on/off, need SNMP card authorization



9. “Record” Menu

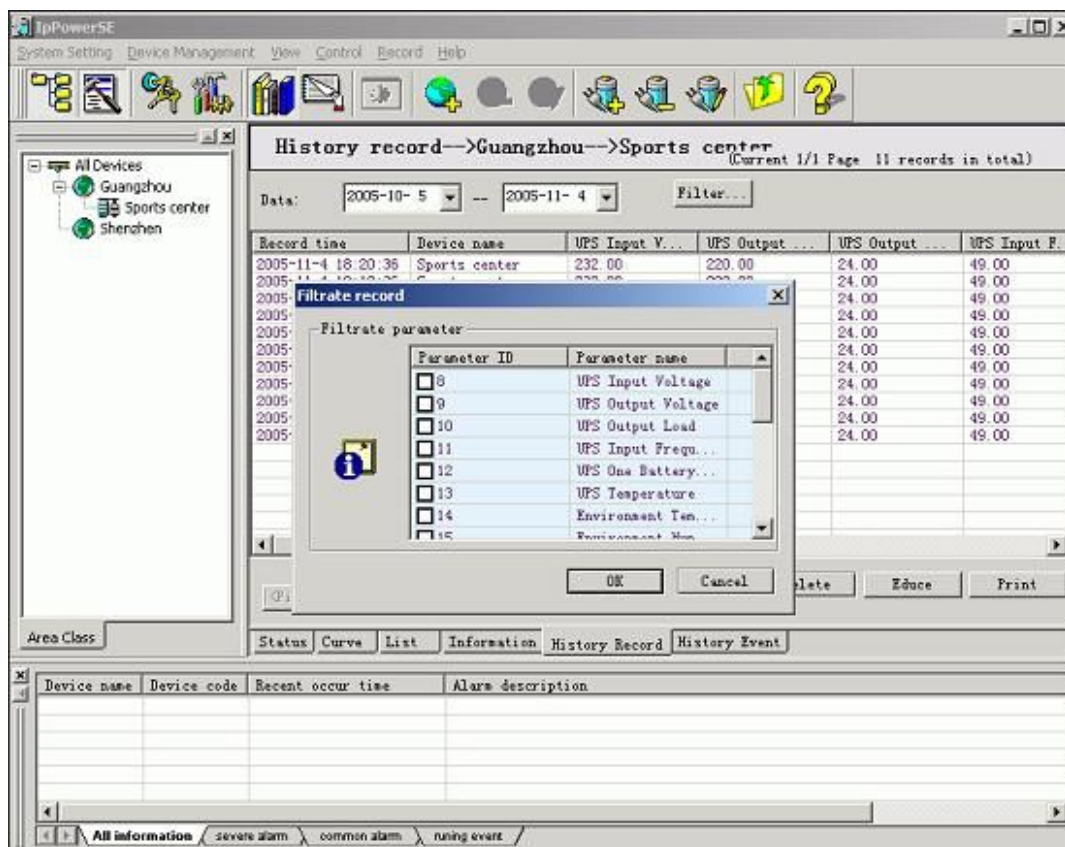
9.1 Check the history data

Choose the device and click menu “Record”-- “History Data”. User also can select single device and click “History Data” with the right button on the mouse. History data for the whole area can’t be checked at one time owing to the large data record.

IP Power SE supports time filter and parameter filter to history data. User can inquire history data in different time period and filter the useless data.

To delete the data, follow the three ways below: delete record in a fixed period, delete record before certain time or delete all the record.

IP Power SE supports export Excel table and print function, which is convenient for users to handle analysis and save record.



9.2 Check History Event,

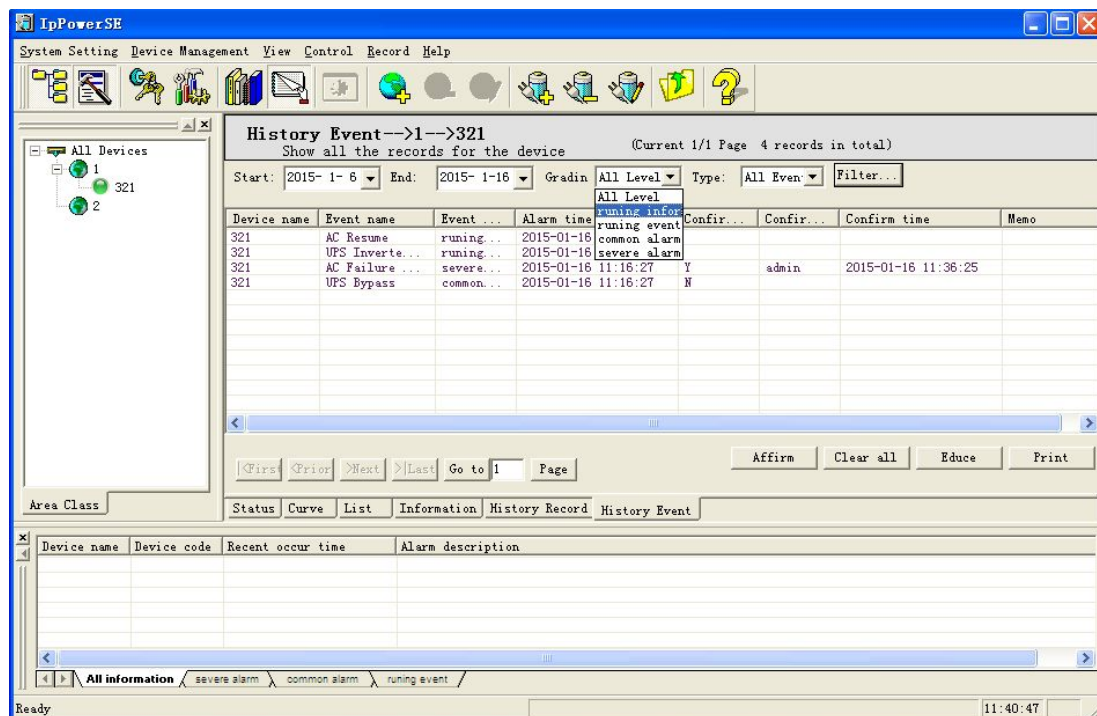
User can choose all area, some area or some devices to click menu: “View” --“History Event” , also can right click on the area or device to enter “History Event” to check.

Filter condition: the history event can be filtered by time, alarm level or event type.

When empty history events, all history events can be cleared and will record from beginning

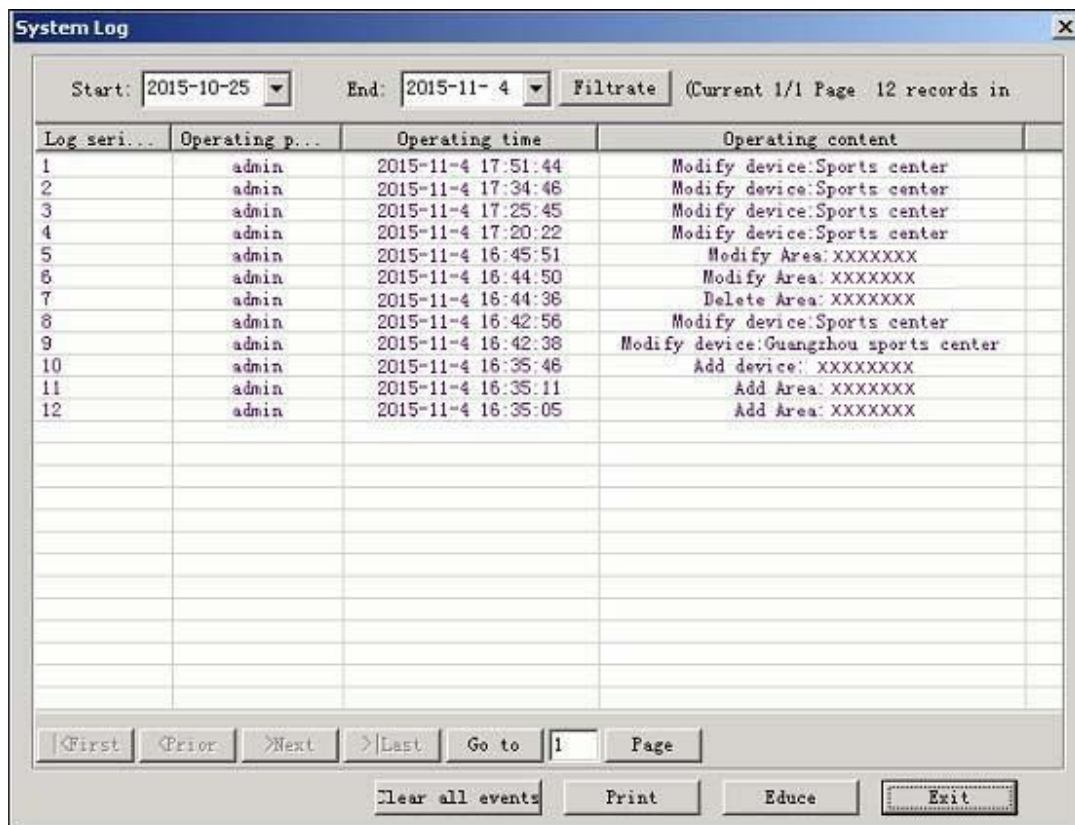
History event also supports import Excel table and print function, which is convenient for user to handle analysis and save record.

History events provide export to excel and print function, convenient for data store and analysis



9.3 View System Log.

Available to check the user signed in operation, simultaneously provide the functions like inquiry filter, information export to excel, print, etc



10. “Help” Menu

10.1 Tips of the Day

Tips of the day provide some helps and tips for operation. It default to pop-up after first time installation.



10.2 System Help

Click to check the help tips.