

# NetEco 1000U V100R002C10 Training Slides

[www.huawei.com](http://www.huawei.com)





# Contents

Upon completion of this course, you should be able to:

- Understand the features and positioning of the NetEco 1000U.
- Understand the networking and installation of the NetEco 1000U and NetShutdown.
- Understand the basic functions of the NetEco 1000U.



# Contents

1. Product Positioning and Features
  - 1.1 Positioning
  - 1.2 Features
2. Architecture
3. Configuration Requirements for Software and Hardware
4. Installation and Uninstallation
5. How to Operate NetEco 1000U

# 1.1 Positioning

## NetEco 1000U

- Device-level monitoring software for UPS series.
- Supports remote control and centralized management.

## Product Positioning of NetEco 1000U

- The B/S architecture can be deployed in the Windows operating system and can be accessed remotely through the web browser.
- Monitors the performance KPI data and alarm information of UPS devices in real time, and remotely controls and manages the UPS devices.
- Improves the centralized management and remote O&M capabilities of UPS devices.

## Product Positioning of Shutdown Software

- NetShutdown is a part of the NetEco. It is installed and deployed on the UPS load (server).
- When the power supply is abnormal, the system monitors the UPS event data and automatically executes preset protection measures to protect the computer software and hardware assets of the load.

# 1.2 Features (1)

- **Easy-to-Install**

It can be installed and run on the Windows 7/10 operating system of PCs, which is highly adaptable.

- **Device Access and Management**

- Supports device search and automatic configuration. It can quickly connect to a device for monitoring.
- Supports device grouping management. Users can view the key information of devices sorted by group, which is similar to the O&M scenarios.

- **Remote Monitoring and Remote Notification**

- Supports remote alarms. When an alarm is generated, the NetEco immediately sends alarm information to users over emails or SMS.
- Supports the remote configuration and control of devices with the remote operation function. The UPS2000-G has the remote control function.
- Performs real-time device monitoring in terms of battery backup time, load rate, current, voltage and other detailed information.
- Supports historical data query. Users can query historical running data and alarm logs of the devices, which can be exported and displayed by page.

# 1.2 Features (2)

- **Maintenance**

- Supports system log query. Users can query historical operation logs and login logs of all users.
- Supports the query of device running logs. Users can remotely obtain device running logs, by which the technical service personnel determine the device running conditions and serve the customers better.

- **Security Management**

- Supports user management, permission level control, and the query of device running logs. Users can remotely obtain device running logs, by which the technical service personnel determine the device running conditions and serve the customers better. Enables users to add, modify, and delete users, and classifies the operation permission levels of different users based on their roles.

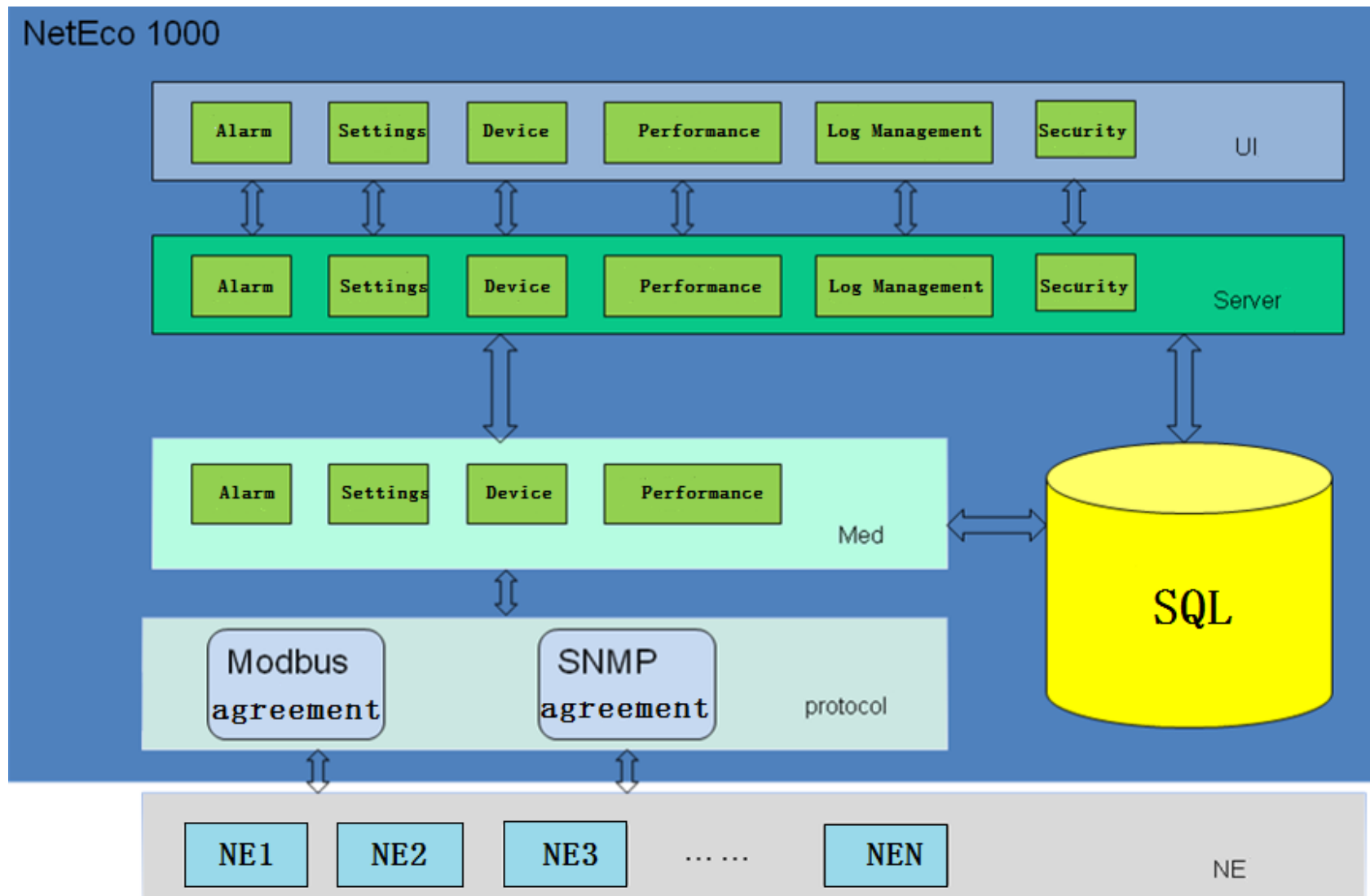
- **Supporting Power-off Protection for Load Devices**



# Contents

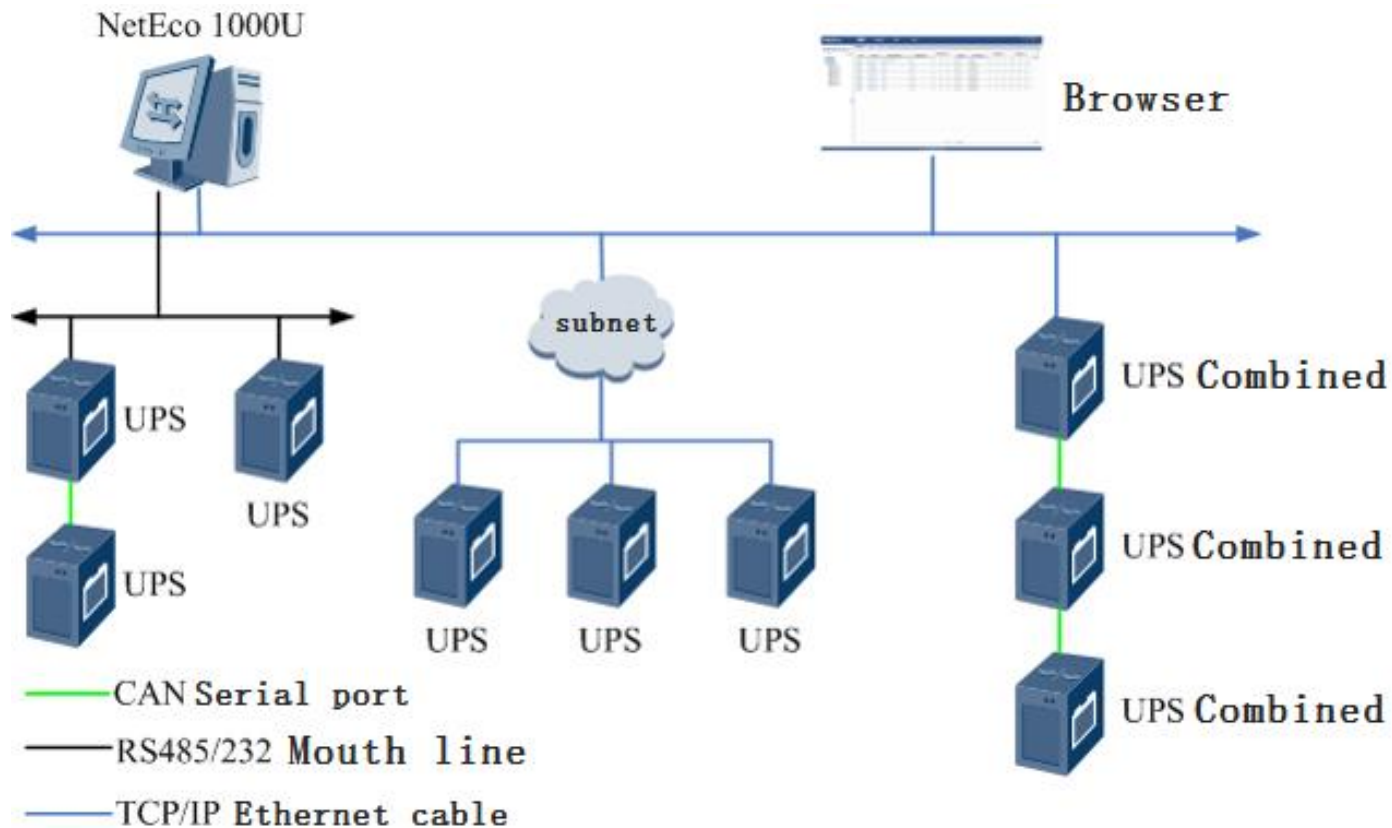
1. Product Positioning and Features
2. Architecture
  - 2.1 Software Architecture
  - 2.2 NetEco 1000U Networking Mode
  - 2.3 NetShutdown Networking Mode
3. Configuration Requirements for Software and Hardware
4. Installation and Uninstallation
5. How to Operate NetEco 1000U

# 2.1 Software Architecture



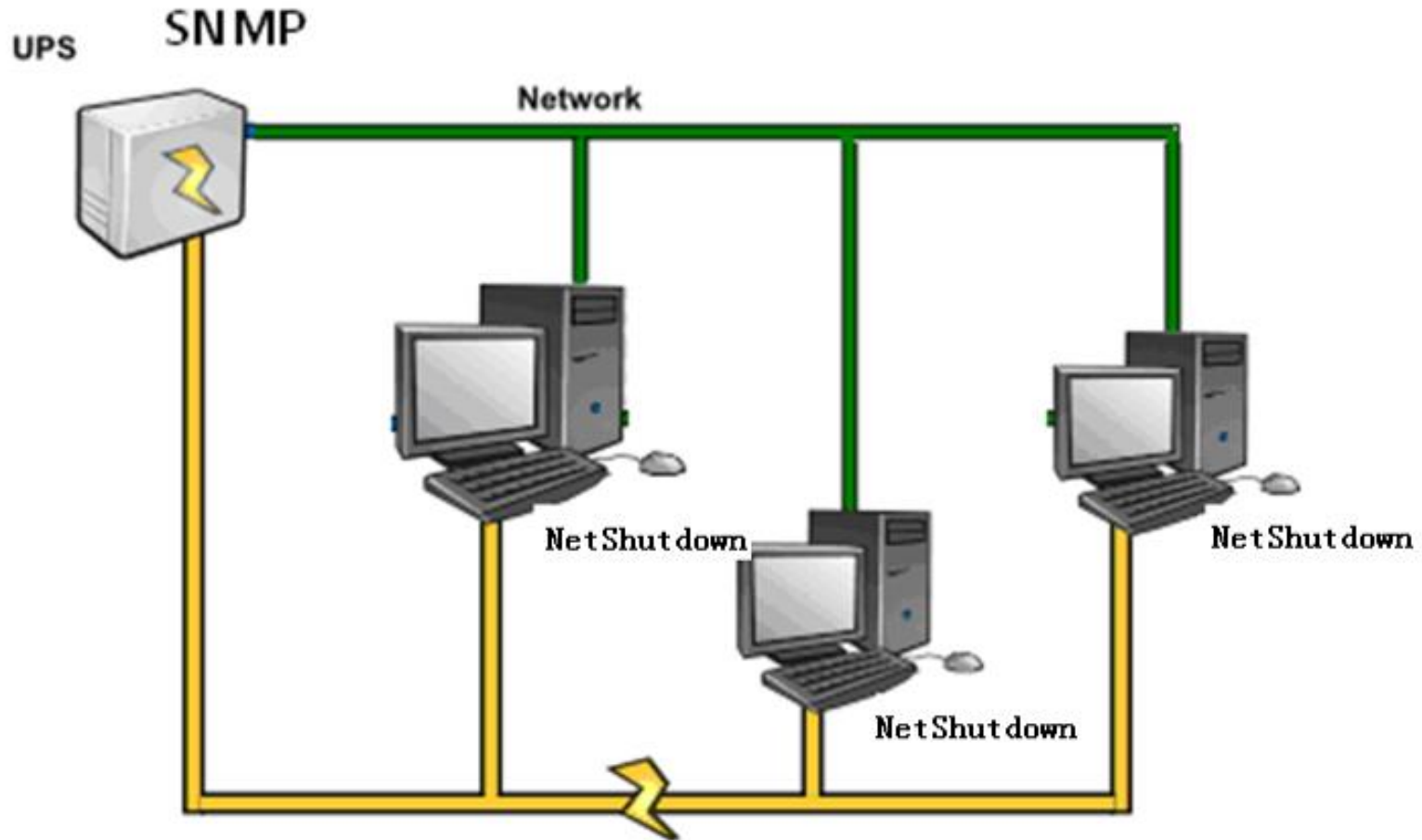


## 2.2 NetEco 1000U Networking Mode



## 2.3 NetShutdown Networking Mode

Remarks: Currently, the NetShutdown supports only the SNMP card networking mode.





# Contents

1. Product Positioning and Features
2. Architecture
3. Configuration Requirements for Software and Hardware
4. Installation and Uninstallation
5. How to Operate NetEco 1000U

# 3 Configuration Requirements for Software and Hardware

## Software and Hardware Configuration of NetEco 1000U

Item	Settings
<b>Operating System</b>	Windows7, Windows10
<b>Web Browser</b>	IE11
<b>CPU</b>	quad-core 3.6 GHz, 1 GB cache.
<b>Memory</b>	4 GB or above
<b>Hard Disk</b>	500 GB or above

The OS version of NetShutdown

Windows

Linux

Solaris



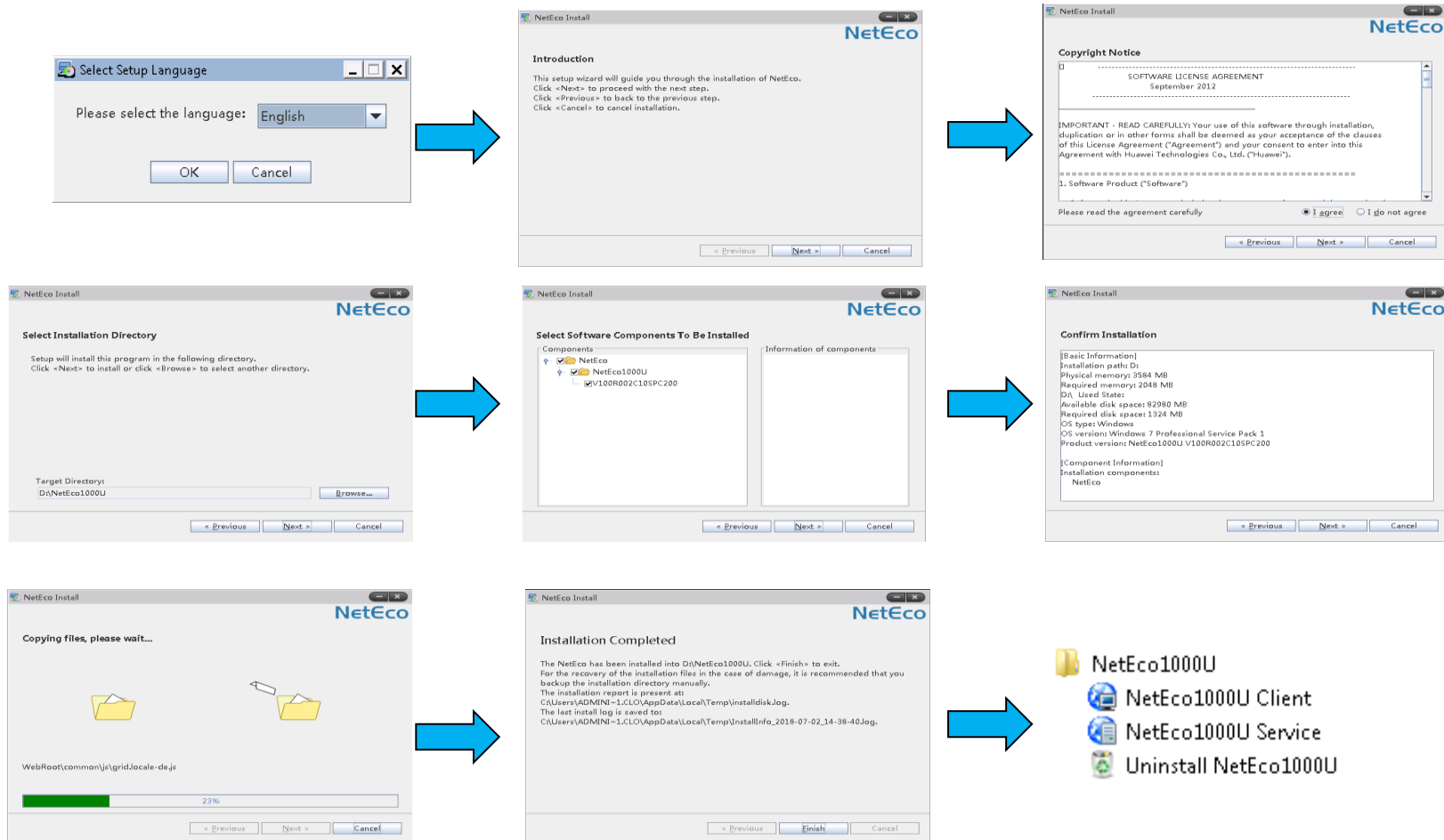
# Contents

1. Product Positioning and Features
2. Architecture
3. Configuration Requirements for Software and Hardware
4. Installation and Uninstallation
  - 4.1 Installing the NetEco
  - 4.2 Uninstalling the NetEco
5. How to Operate NetEco 1000U

# 4.1 Installing the NetEco

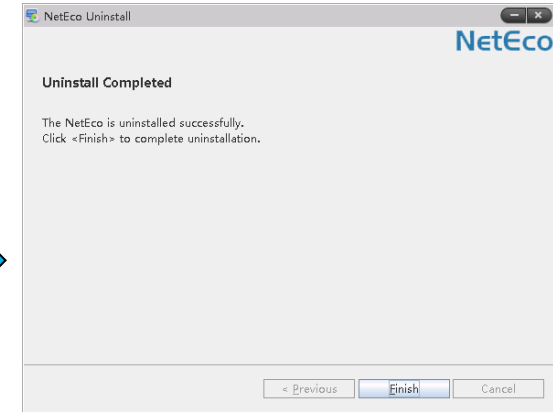
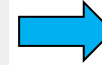
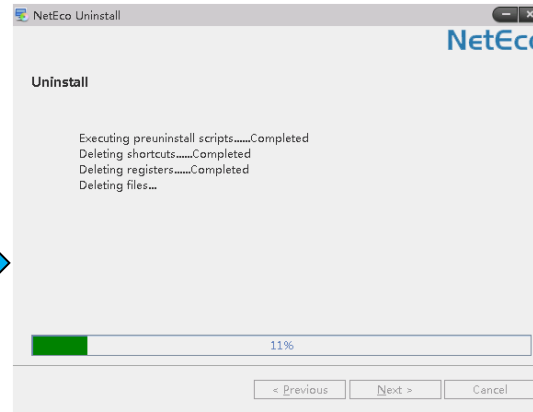
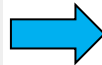
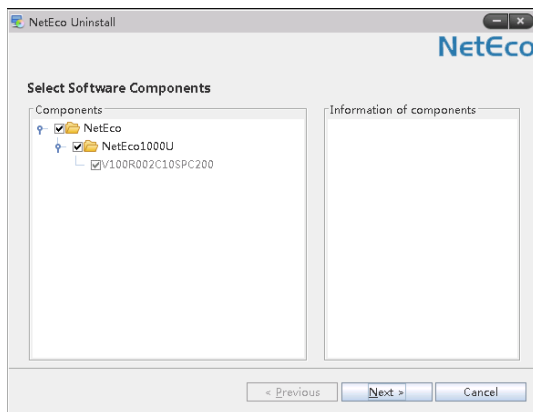
Insert the installation CD-ROM delivered with the device into the drive of the monitoring computer. Enter the installation directory and double-click **Setup.vbs** to install.

After the installation is complete, the NetEco 1000U shortcut menu is displayed on the start menu of the operating system.



## 4.2 Uninstalling the NetEco

1. If the NetEco 1000U service is running, stop it first. Right-click the NetEco1000U icon on the taskbar in the lower right corner of the operating system. The exit menu is displayed. Click this menu to stop the NetEco 1000U service.
2. Choose **NetEco 1000U > Uninstall NetEco 1000U** to start the uninstallation. The components to be uninstalled are displayed on the screen. Select the **NetEco 1000U** and click **Next**. In the uninstallation confirmation dialog box, click **Yes** to start the uninstallation. The uninstallation progress is displayed.
3. After the uninstallation is complete, click **Finish**. Restart the operating system as prompted or manually delete the NetEco 1000U installation directory without restarting the operating system. After the uninstallation is complete, the NetEco 1000U installation directory and system shortcut menu are cleared.





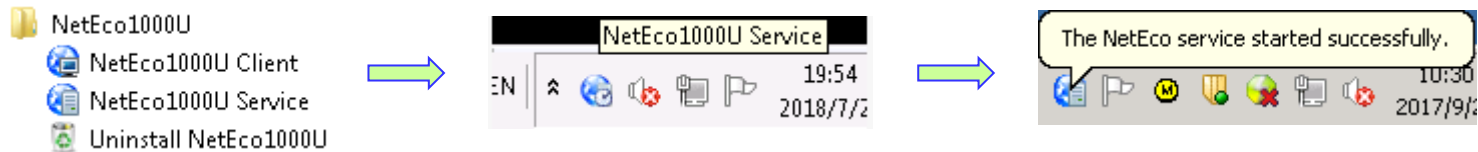
# Contents

1. Product Positioning and Features
2. Architecture
3. Configuration Requirements for Software and Hardware
4. Installation and Uninstallation
  - 4.1 Installing the NetEco
  - 4.2 Uninstalling the NetEco
5. How to Operate NetEco 1000U

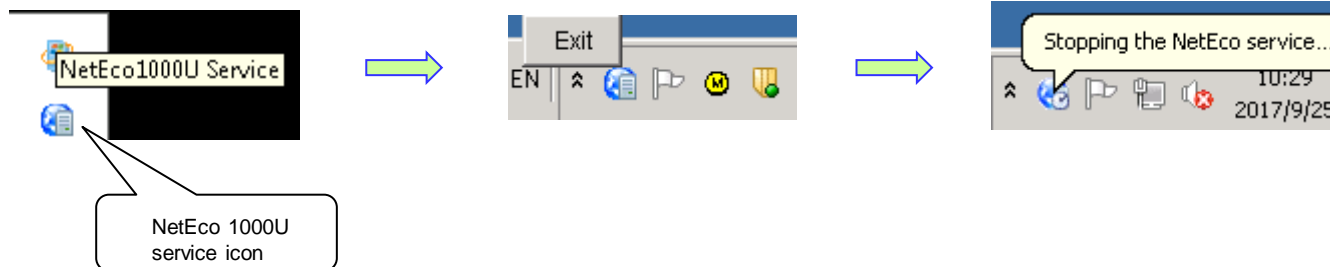


# How to Starting/Stopping NetEco1000U Service

Start NetEco1000U Service :




Stop NetEco1000U Service :



# Log In from a Client

1. Choose Start > All Programs > NetEco 1000U > NetEco 1000U Client in the Windows operating system, or open the web browser to input <https://IP address:8443> in the address bar.
2. If you select **Enable Secure Web Service** when installing the NetEco 1000U, the **Security Certificate Verification** page is displayed when you start the NetEco 1000U client. Otherwise, the **Login** page is displayed.




There is a problem with this website's security certificate.


---


The security certificate presented by this website was issued for a different website's address.  
The security certificate presented by this website was not issued by a trusted certificate authority.

Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server.

**We recommend that you close this webpage and do not continue to this website.**

 [Click here to close this webpage.](#)

 [Continue to this website \(not recommended\).](#)

 [More information](#)



User name

Password

# Home Screen Overview

The screenshot displays the NetEco Home Screen Overview. The interface includes a top navigation bar with tabs for Monitor, Historical Data, Maintenance, and System. A left sidebar contains a 'Device navigation tree' with a search bar and a list of monitoring devices. The main area, labeled 'Operation display area', features a table with columns for Status, Device Name, Battery Remaining Capacity (%), Battery Backup Time, Load Rate (%), Device Type, Power Status, Current (A), and Phase Voltage (V). The table lists two devices: UPS2000\_73 and UPS2000\_74, both in 'Minor' status and 'Mains mode'. A footer shows 'Page 1 of 1' and 'View 1 - 2 of 2'.

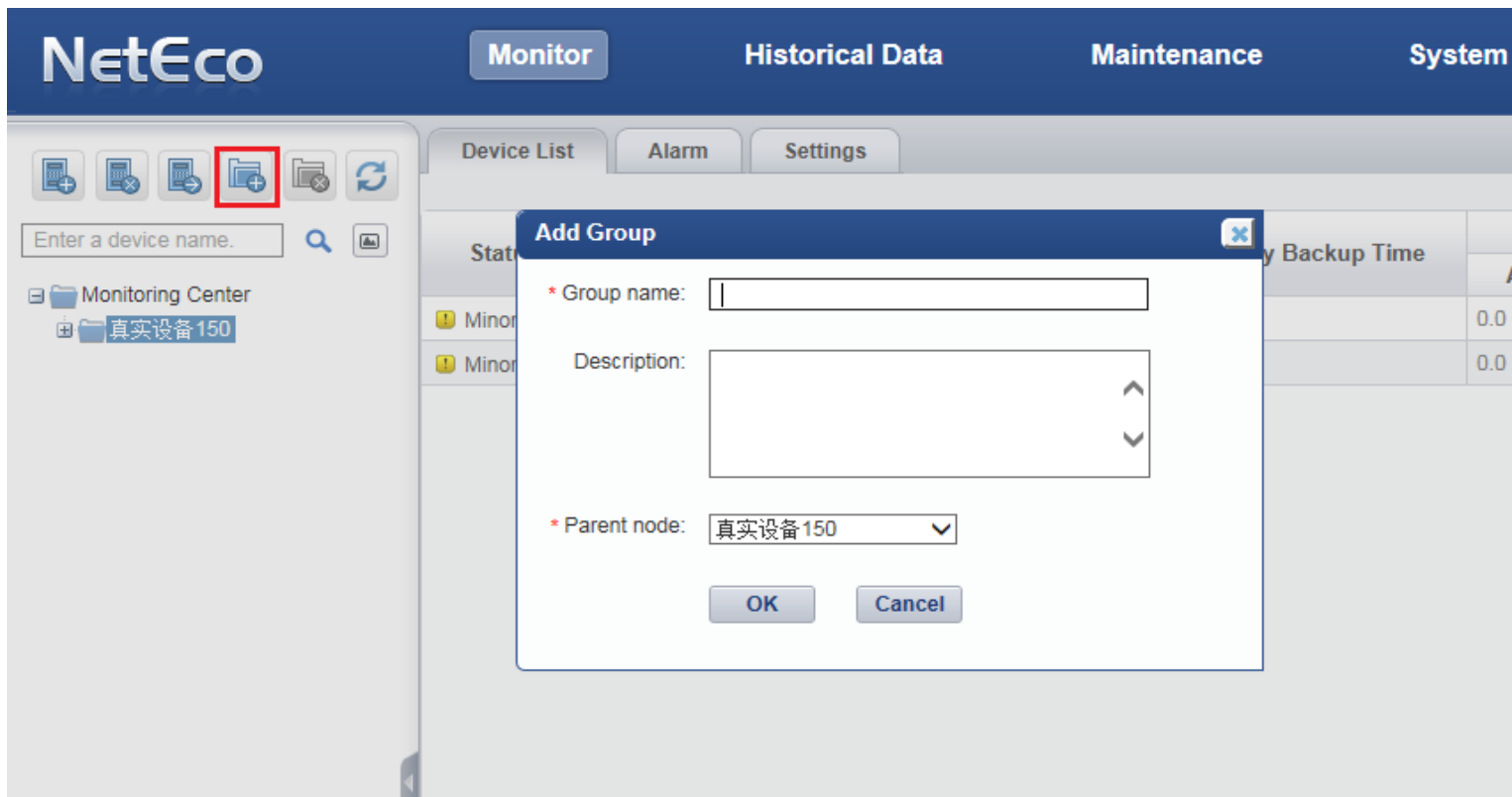
Status	Device Name	Battery Remaining Capacity (%)	Battery Backup Time	Load Rate (%)			Device Type	Power Status	Current (A)			Phase Voltage (V)		
				A	B	C			A	B	C	A	B	C
Minor	UPS2000_73	NA	NA	0.0	-	-	UPS2000	Mains mode	0.0	-	-	220.6	-	-
Minor	UPS2000_74	NA	NA	0.0	-	-	UPS2000	Mains mode	0.0	-	-	221.5	-	-

# Menus and Menu Functions

Menus	Functions
Monitor	This menu enables users to perform following operations: Add, modify, and delete a device or group. View the current analog parameters, status parameters, and current alarms of the device. Configure and remotely control the device.
Historical Data	This menu contains the following submenus: <ul style="list-style-type: none"> <li>•Alarm Log : You can view the alarm records of the device.</li> <li>•Performance Data : You can view the running data of the device.</li> </ul>
Maintenance	This menu contains the following submenus: <ul style="list-style-type: none"> <li>•Device Log : You can download device running logs</li> <li>•Device Management : You can modify device names in batches.</li> </ul>
System	The main menu contains the following submenus: <p>User Management : You can add or delete users, or modify user information. You can assign different operation rights to users based on their roles.</p> <p>Log Management : You can query historical operation records and login records of a user.</p> <ul style="list-style-type: none"> <li>•Remote Notification : Set email and SMS parameters. When a fault occurs on a device, NetEco 1000U can send an email or SMS message to notify the user.</li> <li>•System Settings : NetEco 1000U reports an alarm and generates a sound prompt based on the alarm severity and preset rules.</li> </ul>
Change Password	You can modify the password of the current login account.
Help	After you click this menu, you can browse this manual in HTML format on the screen.
Logout	The user logs out and exits to the login page.

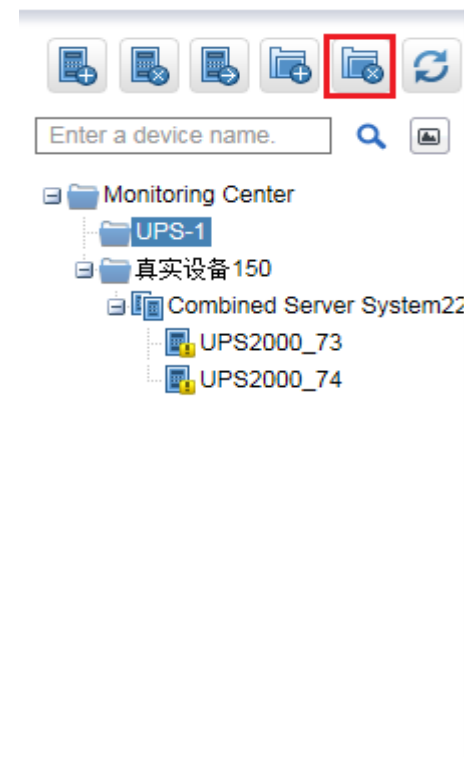
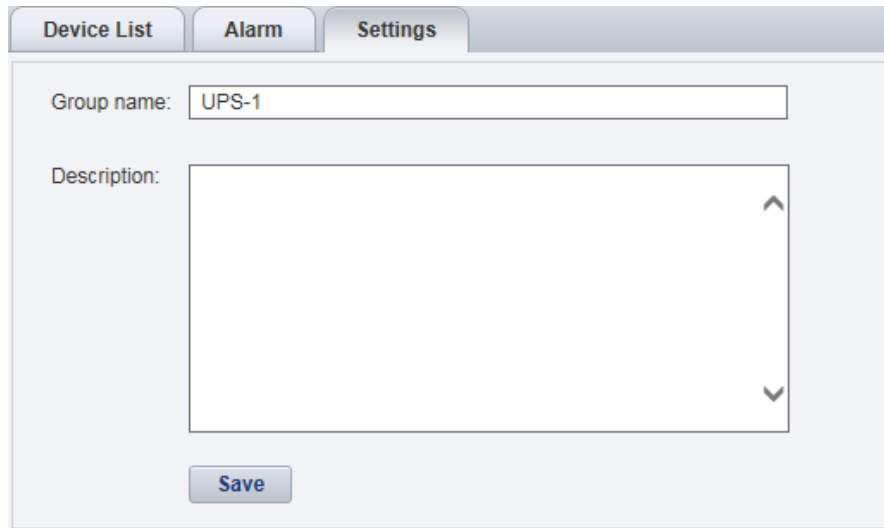
# Adding a Group

1. A group is a logical object created on the NetEco 1000U to facilitate device management. It has no corresponding physical entity. The NetEco 1000U enables users to create or modify a group, or view device overview and alarm information in a group. Users can create a group based on the administrative region, site, or the equipment room where the device is located.
2. Log in to the system and choose **Monitor**. In the device navigation area, click **Add Group**.



# Modifying and Deleting a Group

1. Modify Group: Select a group in the device navigation area, and then click the **Settings** tab in the operation area, as shown in the following figure. Enter a new group name in the name edit box and click **Save**.
2. Delete Group: For a group that is created on the NetEco 1000U and does not need to be managed after the device is changed, you can delete the group on the NetEco 1000U.



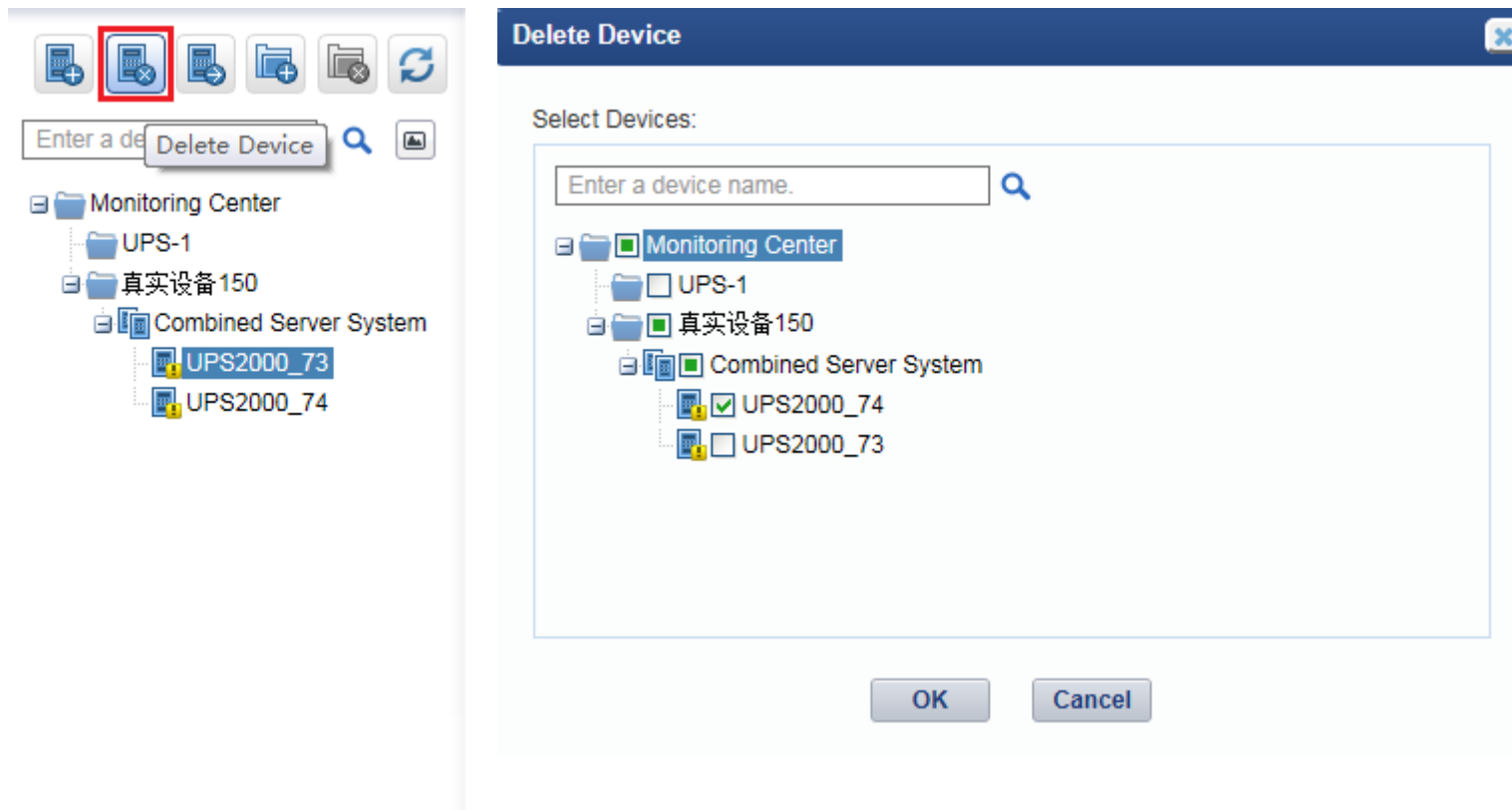
# Adding a Device

1. For devices connected to the monitoring computer through the network, the NetEco1000U can automatically identify and add devices by searching for the UPS monitoring IP address. In the device navigation area, click **Search for Device**. In the **Search for Device** dialog box, click the **IP Address Connection** tab, enter the UPS IP address, select the device group, set SNMP parameters, and click **Search**.
2. For the UPS device connected to the monitoring computer through a serial cable, the NetEco1000U can automatically identify and add the device on the monitoring page by searching for the serial port address. Click **Search for Device** and select the **Serial Port Connection** tab in the **Search for Device** dialog box. Select the serial port number and enter the serial port address. Select the device group and click **Search**.
3. If you search for a UPS parallel system, search for the host address in the parallel system and all devices in the parallel system are displayed.

The screenshot displays the 'Search for Device' dialog box in the NetEco1000U monitoring software. On the left, a tree view shows the device hierarchy: Monitoring Center > UPS-1 > 真实设备 150 > Combined Server System22 > UPS2000\_73 and UPS2000\_74. The dialog box has two tabs: 'IP Address Connection' and 'Serial Port Connection'. The 'IP Address Connection' tab is selected, showing fields for IP address (10.57.55.1), Device type (UPS2000), and Group name (Monitoring Center). The 'Serial Port Connection' tab is also visible, showing fields for Serial port No. (COM1), Start bus address (1), and End bus address (64). Both tabs have 'Search' and 'Close' buttons. A tip at the bottom of the 'Serial Port Connection' tab reads: 'Tip: Search for the address range over the General Assembly led to search elements slow, it is recommended to set the starting address of the actual address range'.

# Deleting a Device

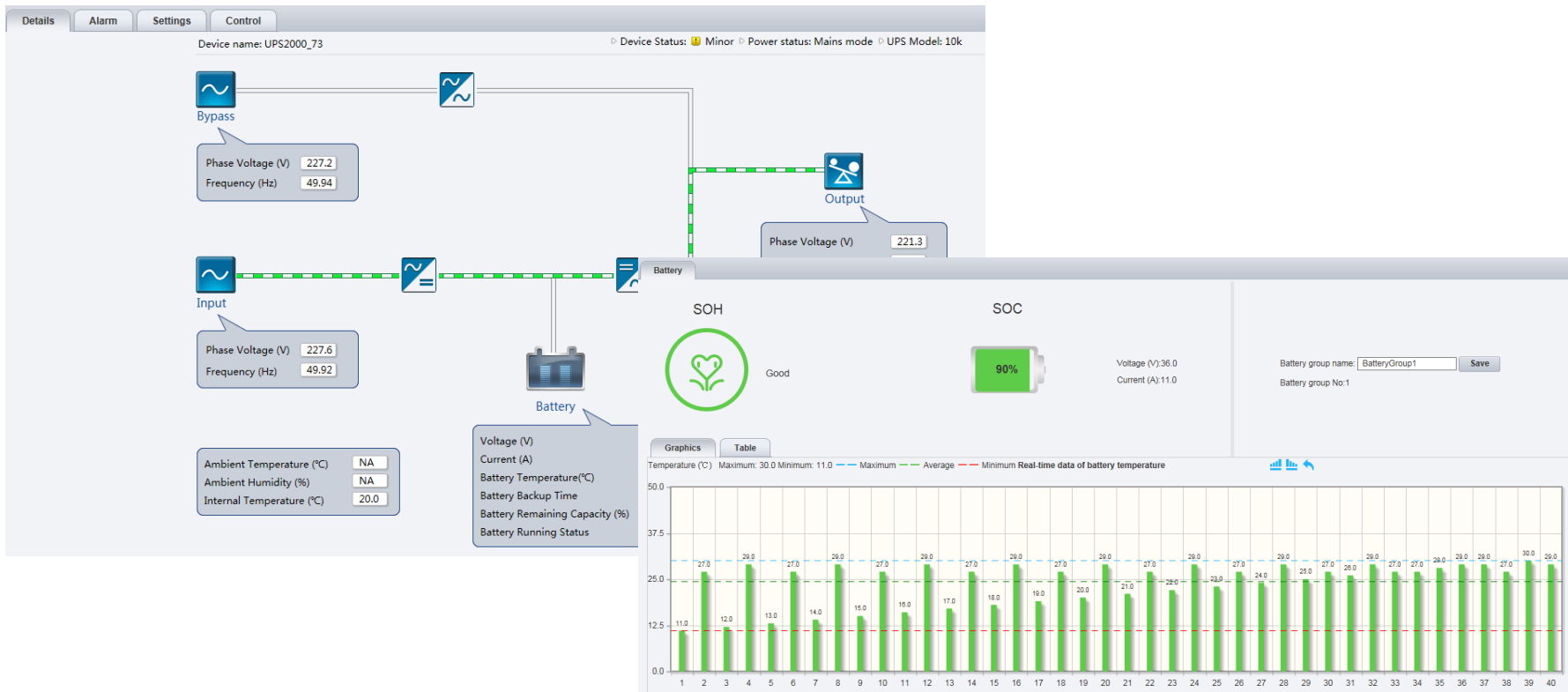
1. For a device that is damaged or does not need to be managed after the adjustment, you can delete the device on the NetEco 1000U.
2. In the device navigation area, click **Delete Device**. In the **Delete Device** dialog box, select the device to be deleted and click **OK**.





# Viewing Device Details

1. By viewing device details, you can obtain the running status and real-time data of the device.
2. Choose **Monitor** on the main menu. Select a device in the device navigation area. In the operation area, click the **Details** tab.



# Viewing Device Current Alarms

1. View the device alarm information to check whether the current alarm of the device is normal.
2. Choose **Monitor** on the main menu. Select a device in the device navigation area. Click the **Alarm** tab in the operation area.
3. Click **Alarm Name**. The alarm details are displayed. You can rectify the alarm based on the alarm details.

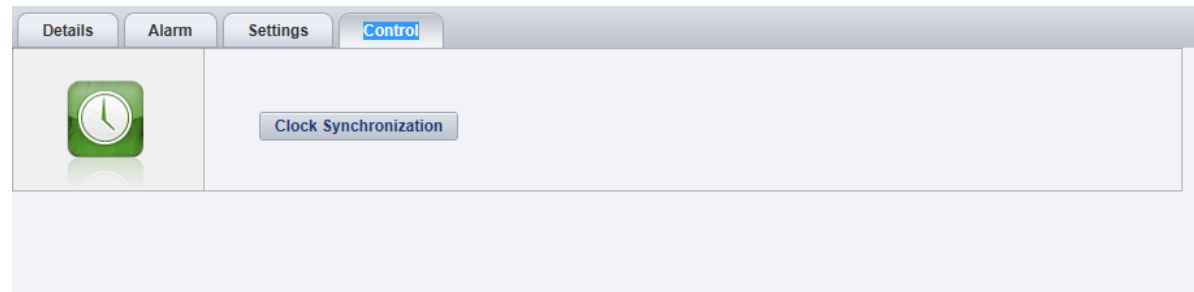
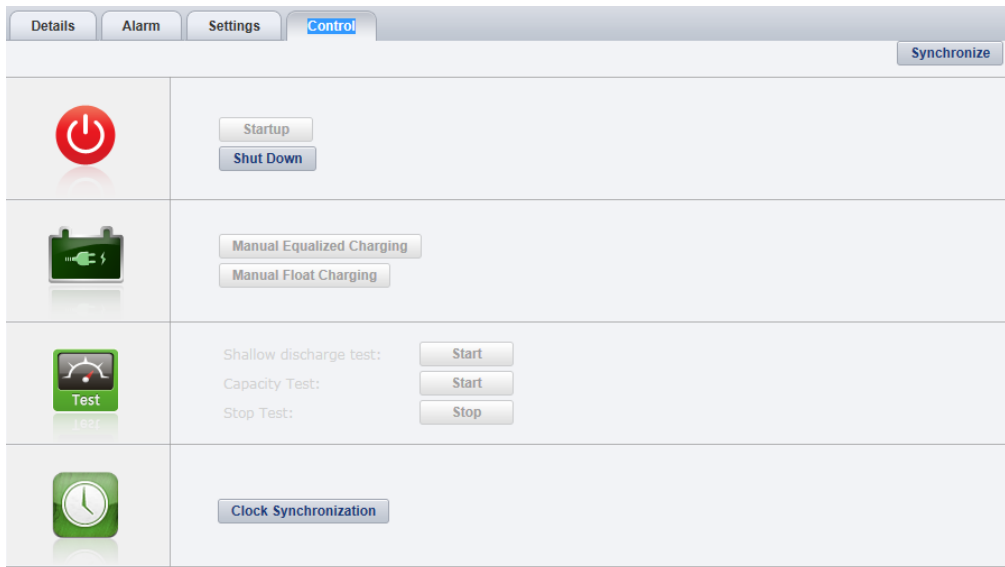
The screenshot displays the 'Alarm Information' window in a web-based management interface. The window is titled 'Alarm Information' and has a close button in the top right corner. It is divided into three main sections:

- Alarm List:** A table on the left showing a list of alarms with columns for 'Alarm Severity' and 'Alarm Name'. The current alarm, 'Internal fault', is highlighted in light blue.
- Alarm Details:** A central panel showing the following information:
  - Alarm severity: Minor
  - Alarm ID: 22
  - Alarm Reason ID: 1
  - Alarm Name: No battery
  - Alarm Serial No: 879
  - Alarm Source: UPS2000\_73
  - Generated On: 2018-02-28 18:27:25
  - Location Information: UPS
  - Trigger: Batteries are not connected.
  - Troubleshooting Advice:
    1. Check for battery strings.
    2. If there is a battery string, check the battery cable distribution after shutdown.
- Generated On:** A list on the right showing the timestamp '2018-07-02 18:00:36' for each alarm entry.

A 'Close' button is located at the bottom center of the window.

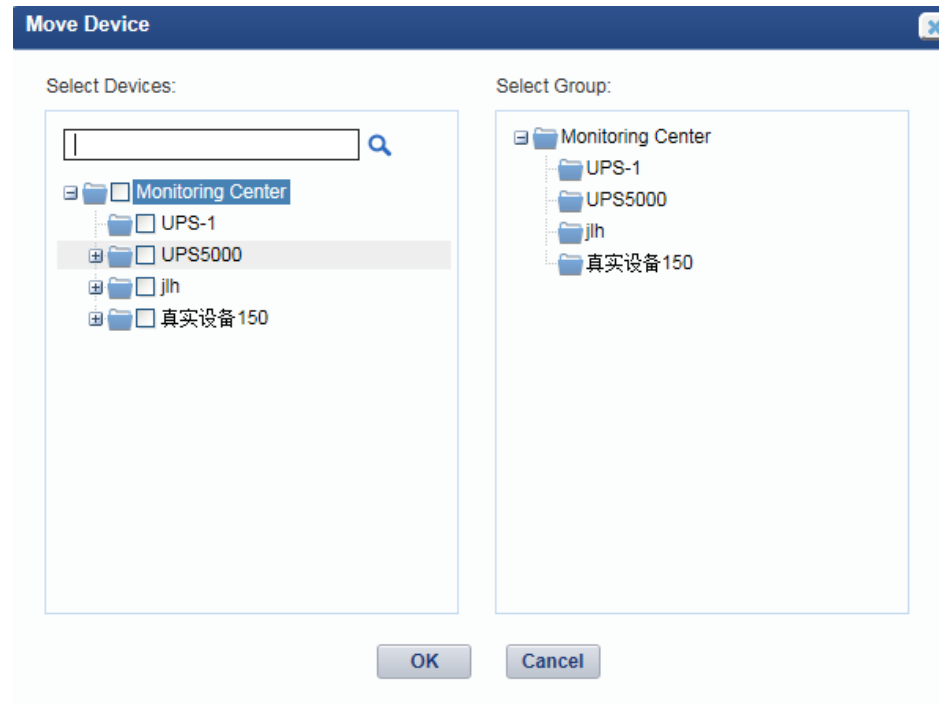
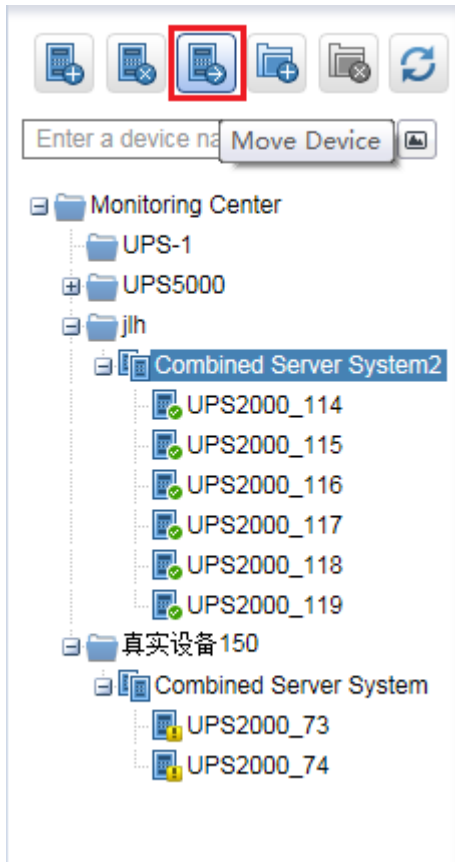
# Modifying Device Information

1. The remote control function can be used to remotely control devices.
2. Choose **Monitor** on the main menu. Select a device in the device navigation area. Click the **Control** tab in the operation area.



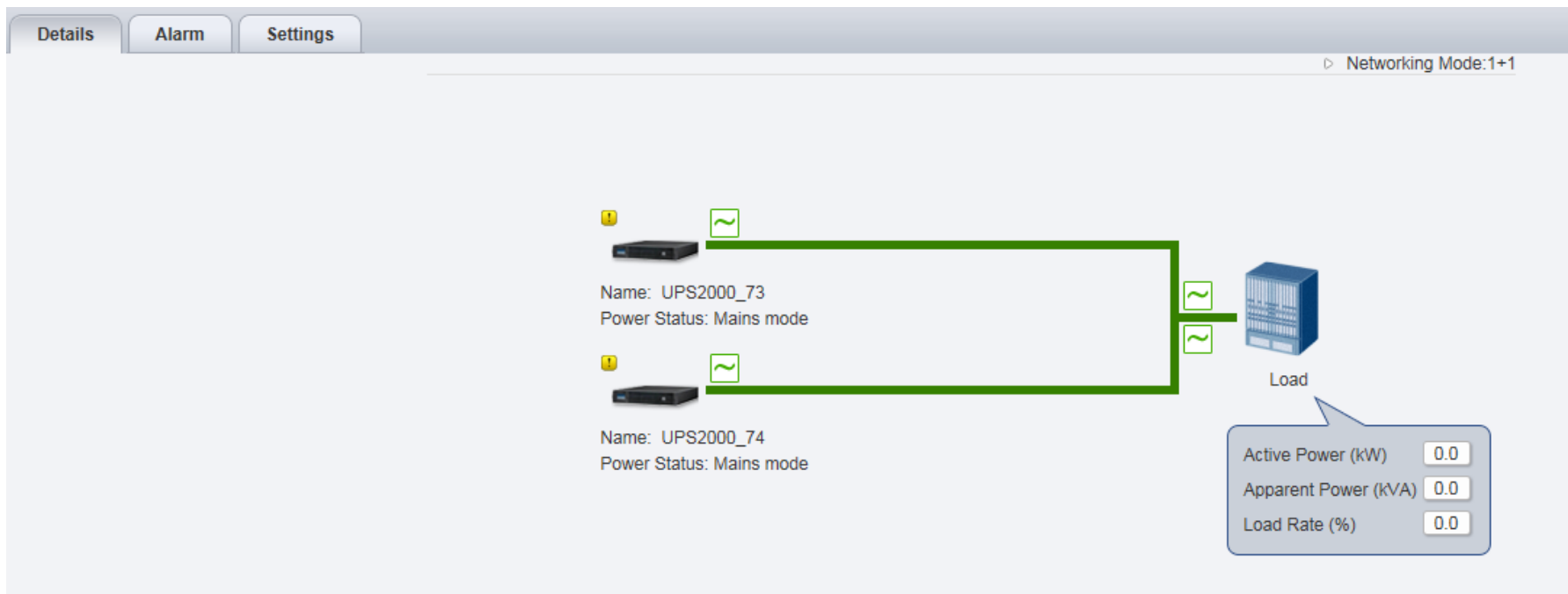
# Device Relocation

1. After the device group is changed, you can move the device to the new group on the NetEco 1000U.
2. Choose **Monitor** on the main menu. Choose **Move Device** in the device navigation area.



# Parallel System

1. View the parallel system overview to obtain the running status and real-time data of the parallel system.
2. Choose **Monitor** on the main menu. In the device navigation area, select a parallel system. Click the **Details** tab in the operation area.



# Viewing Group Device Overview

1. Select the **Monitor** main menu, and select **Monitoring Center** or a customized group in the device navigation area.
2. In the operation area, click the **Device List** tab. The key information about all devices in the group is displayed.

Device List																
Alarm																
Settings																
Status	Device Name	Battery Remaining Capacity (%)		Battery Backup Time		Load Rate (%)			Device Type	Power Status	Current (A)			Phase Voltage (V)		
						A	B	C			A	B	C	A	B	C
Minor	UPS2000_73	NA		NA		0.0	-	-	UPS2000	Mains mode	0.0	-	-	221.0	-	-
Minor	UPS2000_74	NA		NA		0.0	-	-	UPS2000	Mains mode	0.0	-	-	221.6	-	-
Minor	UPS5000-E_111	<div style="width: 100%; height: 10px; background-color: green;"></div> 100		NA		9.0	8.0	9.0	UPS5000-E	Battery mode	1.1	8000.0	8000.0	8000.0	8000.0	8000.0
Critical	UPS2000_114	<div style="width: 100%; height: 10px; background-color: green;"></div> 100		NA		9.0	8.0	9.0	UPS2000	Battery mode	1.1	8000.0	8000.0	8000.0	8000.0	8000.0
Normal	UPS2000_115	<div style="width: 100%; height: 10px; background-color: green;"></div> 100		NA		9.0	8.0	9.0	UPS2000	Battery mode	1.1	8000.0	8000.0	8000.0	8000.0	8000.0
Normal	UPS2000_116	<div style="width: 100%; height: 10px; background-color: green;"></div> 100		NA		9.0	8.0	9.0	UPS2000	Battery mode	1.1	8000.0	8000.0	8000.0	8000.0	8000.0
Normal	UPS2000_117	<div style="width: 100%; height: 10px; background-color: green;"></div> 100		NA		9.0	8.0	9.0	UPS2000	Battery mode	1.1	8000.0	8000.0	8000.0	8000.0	8000.0
Normal	UPS2000_118					-	-	-	UPS2000		-	-	-	-	-	-
Normal	UPS2000_119					-	-	-	UPS2000		-	-	-	-	-	-

# Alarm Logs Query

Choose **Historical Data > Alarm Log** on the main menu. In the device navigation area, select the device to be queried. Set the query conditions in the operation area, and click **Query**. All the alarm records that meet the query conditions are displayed on multiple pages. Click **Export** to export the queried alarm records to a CSV file.

Historical Data > Alarm Log

Time: 2018-07-02 00:00:00 ~ 2018-07-02 23:59:59 Alarm severity:  Select All  Critical  Major  Minor  Warning Query

Export

Alarm Severity	Alarm Name	Device Type	Device Name	Group Name	Generated On	Cleared On	Clearance Type
Minor	On bypass	UPS2000	UPS2000_73	Combined Server System	2018-07-02 11:34:43	2018-07-02 11:36:04	Automatic clear
Minor	On bypass	UPS2000	UPS2000_74	Combined Server System	2018-07-02 11:34:43	2018-07-02 11:36:04	Automatic clear
Minor	On bypass	UPS2000	UPS2000_73	Combined Server System	2018-07-02 11:14:14	2018-07-02 11:15:15	Automatic clear
Minor	On bypass	UPS2000	UPS2000_74	Combined Server System	2018-07-02 11:14:14	2018-07-02 11:15:15	Automatic clear
Minor	On bypass	UPS2000	UPS2000_73	Combined Server System	2018-07-02 10:47:30	2018-07-02 10:48:39	Automatic clear
Minor	On bypass	UPS2000	UPS2000_74	Combined Server System	2018-07-02 10:47:30	2018-07-02 10:48:39	Automatic clear
Minor	On bypass	UPS2000	UPS2000_73	Combined Server System	2018-07-02 09:20:55	2018-07-02 09:21:52	Automatic clear
Minor	On bypass	UPS2000	UPS2000_74	Combined Server System	2018-07-02 09:20:55	2018-07-02 09:21:52	Automatic clear
Minor	Redundancy failure	UPS2000	UPS2000_73	Combined Server System	2018-07-02 09:20:44	2018-07-02 09:20:55	Automatic clear
Minor	Redundancy failure	UPS2000	UPS2000_74	Combined Server System	2018-07-02 09:20:44	2018-07-02 09:20:55	Automatic clear
Minor	On bypass	UPS2000	UPS2000_73	Combined Server System	2018-07-02 09:18:07	2018-07-02 09:19:40	Automatic clear

# Device Performance Data Query

1. Choose **Historical Data > Performance Data** on the main menu. In the device navigation area, select the device to be queried. Set the query conditions, and click **Query**. All the performance records that meet the query conditions are displayed on multiple pages.
2. Click **Export** to export the queried performance records to a CSV file.

Historical Data > Performance Data > UPS5000-E\_111

Time: 2018-07-02 00:00:00 ~ 2018-07-02 23:59:59

Show DST

Generated On	Phase Voltage (V)			Frequency (Hz)	Phase Voltage (V)			Current (A)			Frequency (Hz)	Voltage (V)	Battery Backup Time	Battery Remaining Capacity (%)	Load Rate (%)		
	A	B	C		A	B	C	A	B	C					A	B	C
2018-07-02 17:50:00	8000.0	8000.0	8000.0	0.11	8000.0	8000.0	8000.0	1.1	8000.0	8000.0	800.00	220.0	NA	100	9.0	8.0	9.0
2018-07-02 17:55:00	8000.0	8000.0	8000.0	0.11	8000.0	8000.0	8000.0	1.1	8000.0	8000.0	800.00	220.0	NA	100	9.0	8.0	9.0
2018-07-02 18:00:00	8000.0	8000.0	8000.0	0.11	8000.0	8000.0	8000.0	1.1	8000.0	8000.0	800.00	220.0	NA	100	9.0	8.0	9.0
2018-07-02 18:05:00	8000.0	8000.0	8000.0	0.11	8000.0	8000.0	8000.0	1.1	8000.0	8000.0	800.00	220.0	NA	100	9.0	8.0	9.0
2018-07-02 18:10:00	8000.0	8000.0	8000.0	0.11	8000.0	8000.0	8000.0	1.1	8000.0	8000.0	800.00	220.0	NA	100	9.0	8.0	9.0
2018-07-02 18:15:00	8000.0	8000.0	8000.0	0.11	8000.0	8000.0	8000.0	1.1	8000.0	8000.0	800.00	220.0	NA	100	9.0	8.0	9.0

Historical Data > Performance Data > BatteryGroup1

Time: 2018-07-02 00:00:00 ~ 2018-07-02 23:59:59

Show DST

Battery group No	Created On	Voltage (V)	Current (A)	SOH	SOC(%)
1	2018-07-02 17:50:00	36.0	11.0	0	90
1	2018-07-02 17:55:00	36.0	11.0	0	90
1	2018-07-02 18:00:00	36.0	11.0	0	90
1	2018-07-02 18:05:00	36.0	11.0	0	90
1	2018-07-02 18:10:00	36.0	11.0	0	90
1	2018-07-02 18:15:00	36.0	11.0	0	90





# Obtain Device Logs

To facilitate the analysis and maintenance of devices, the NetEco 1000U provides the function of remotely obtaining device logs.

1. Choose **Maintenance > Device Log** on the main menu. The device log page is displayed.
2. Select a device from the device list and click **Obtain** to start synchronizing the device log. After the execution status is **Completed**, click the link of the file to download the device log to a local folder.

Maintenance > Device Log

Obtain

<input type="checkbox"/>	Device Name	Obtained On	Progress	Execution Status	File Name	Operation
<input checked="" type="checkbox"/>	UPS5000-E_212	2018-04-21 10:27:12	<div style="width: 100%; height: 10px; background-color: green;"></div> 100%	Completed	logs_20180421102712_P290042424.zip	
<input type="checkbox"/>	UPS5000-E_214					

# Device Management

1. On the device management page, click **Export** to export the device list file.
2. Modify the device name in the exported file and click **Import Names**. Select the device list file and click **Execution**.
3. The device name is changed to the name in the device list file.
4. Double-click the device whose name needs to be changed in the **Device Name** column.
5. Click **Modify Device Name** to change the device name.

Maintenance > Device Management

Export Import Names

Device Name:  Version:  ESN:  Group Name:  Device type:

Device Name	Group Name	Device Type	Version	ESN	Created On	Communication address
<input type="text" value="UPS2000_73"/>	Combined Server System22	UPS2000	V100R001C00SPC300	210229025110F8000013	2018-06-28 17:01:36	Device address:10.67.198.150 ,Device serial No.=3
UPS2000_74	Combined Server System22	UPS2000	V100R001C00SPC500	210229025110F8000030	2018-06-28 17:01:36	Device address:10.67.198.150 ,Device serial No.=4
UPS2000_114	Combined Server System25	UPS2000	V100R001C01SPC303	JLHUPS2000ASNMP001	2018-07-02 17:54:15	Device address:10.40.50.162 ,Device serial No.=1
UPS2000_115	Combined Server System25	UPS2000	V100R001C01SPC303	JLHUPS2000ASNMP002	2018-07-02 17:54:15	Device address:10.40.50.162 ,Device serial No.=2
UPS2000_116	Combined Server System25	UPS2000			2018-07-02 17:54:15	Device address:10.40.50.162 ,Device serial No.=3
UPS2000_117	Combined Server System25	UPS2000			2018-07-02 17:54:15	Device address:10.40.50.162 ,Device serial No.=4
UPS2000_118	Combined Server System25	UPS2000			2018-07-02 17:54:15	Device address:10.40.50.162 ,Device serial No.=5
UPS2000_119	Combined Server System25	UPS2000			2018-07-02 17:54:15	Device address:10.40.50.162 ,Device serial No.=6
UPS5000-E_111	OYH-UPS5000	UPS5000-E			2018-07-02 17:45:28	Device address:10.21.215.247 ,Device serial No.=1

**Import Names**

Device name file:

# User Management

## User Classification

Users are classified into the following types by levels: system administrator, system operators, and guest users.

The operation permission varies depending on the user type. The details are as follows:

1. System administrator: You have all the operation rights of the software.
2. System operators: You have all operation rights except searching for devices, creating groups, deleting groups, moving devices, querying user logs, and setting system parameters.
3. Guest users: You can only browse and query data.

User Category	Operation Rights
System administrator  <b>NOTE:</b> <ul style="list-style-type: none"><li>• The system administrator cannot be deleted or modified.</li><li>• To improve system security, you are advised to change the initial keys set before product delivery in a timely manner and periodically (at an interval of 3 months) change the user key to avoid security risks, such as violent key cracking.</li></ul>	<ul style="list-style-type: none"><li>• Group management: Allows you to create a group, view the overview of devices in the group, view current alarms in the group, modify group information, and delete the group.</li><li>• Device management: Allows you to search for devices, view the parallel system overview, view device details, view current device alarms, modify device information, remotely control devices, move devices, and delete devices.</li><li>• Manages the NetShutdown.</li><li>• Historical data query: Allows you to query device alarm logs and device performance logs.</li><li>• Device maintenance: Allows you to obtain device logs and manage the device list.</li><li>• System management: Allows you to manage user information, query user logs, and set alarm sounds, remote notifications, and system parameters.</li></ul>
system operators	<ul style="list-style-type: none"><li>• Group management: Allows you to view the overview of devices in the group, view current alarms in the group, and modify group information.</li><li>• Device management: Allows you to view the parallel system overview, view device details, view current device alarms, modify device information, remotely control devices, and delete devices.</li><li>• Historical data query: Allows you to query device alarm logs and device performance logs.</li><li>• Device maintenance: Allows you to obtain device logs and manage the device list.</li><li>• System management: Allows you to manage user information, set alarm sounds, and set remote notifications.</li></ul>
guest users	<ul style="list-style-type: none"><li>• Group management: Allows you to view the overview of devices in the group and view current alarms in the group.</li><li>• Device management: Allows you to view the parallel system overview, view device details, and view current device alarms.</li><li>• Historical data query: Allows you to query device alarm logs and device performance logs.</li></ul>

# Email remote notification

Function description: NetEco 1000U reports an alarm and sends an email to notify the user.

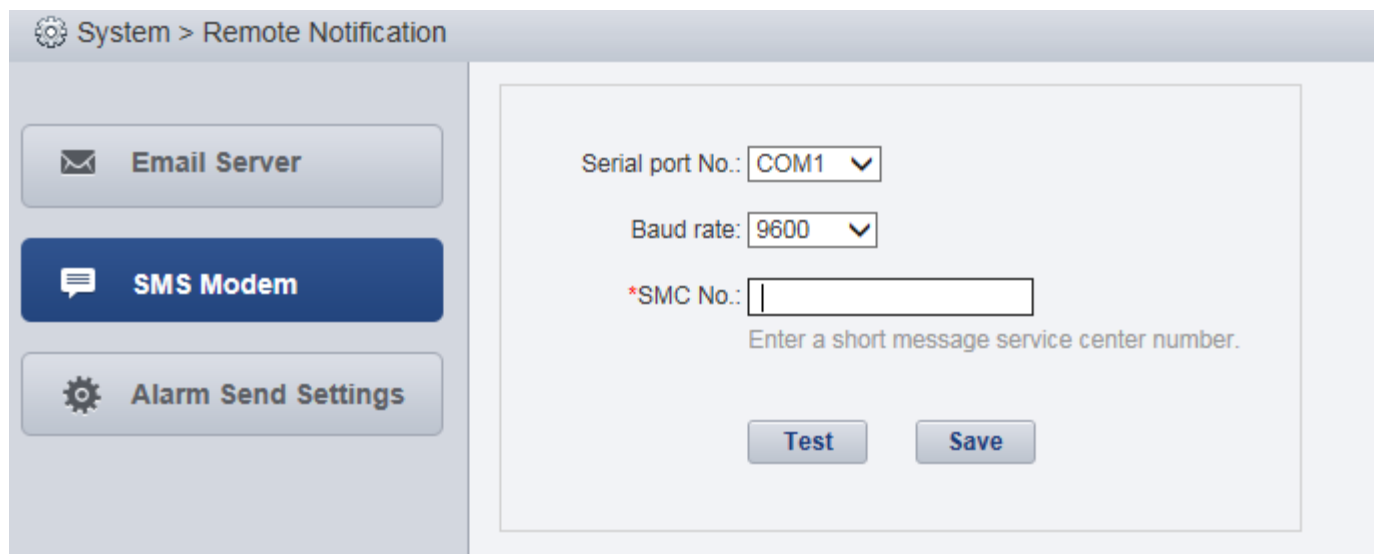
1. Choose **System > Remote Notification > Email Server** on the main menu to set the email server information.
2. Choose **System > Remote Notification > Alarm Send Settings** on the main menu to set the email sending rule.

The screenshot displays the 'System > Remote Notification' configuration page. On the left sidebar, there are three buttons: 'Email Server' (selected), 'SMS Modem', and 'Alarm Send Settings'. The main content area is divided into two sections. The top section, 'Email Server', contains the following fields: '\*Email sending server:' with the value 'smtp.huawei.com', '\*Email sending port No.:' with the value '25', '\*Sender email address:' with the value 'jiangluohuan1@huawei.c', and '\*User name:' with the value 'jwx528759'. There are also checkboxes for 'Check permission' (checked) and 'Enable SSL' (unchecked), and a '\*Password:' field. The bottom section, 'Add Rule', contains: '\*Rule name:' (empty), '\*Device name:' (a dropdown menu showing 'Monitoring Center', 'UPS-1', 'UPS5000', 'jlh', and '真实设备150'), '\*Alarm contents:' (checkboxes for Critical, Major, Minor, Warning), 'Alarm Type:' (checkboxes for Current alarm, Historical alarm), '\*Alarm Send Delay Time (s):' (180), 'Recipient email address:' (empty), and 'Recipient phone No.:' (empty). Both sections have 'Test' and 'Save' buttons.

# SMS Remote Notification

Function description: NetEco 1000U reports an alarm and sends an email to notify the user.

1. Connect an idle RS232 communications port on the computer to an SMS modem, and then set SMS parameters on the NetEco 1000U page.
2. Choose **System > Remote Notification > SMS Modem** on the main menu. The page of setting SMS parameters is displayed, as shown in the following figure.



The screenshot displays the 'System > Remote Notification' configuration page. On the left sidebar, there are three menu items: 'Email Server', 'SMS Modem' (which is highlighted in blue), and 'Alarm Send Settings'. The main content area contains the following configuration fields:

- Serial port No.:
- Baud rate:
- \*SMC No.:

Below the SMC No. field, there is a prompt: 'Enter a short message service center number.' At the bottom of the configuration area, there are two buttons: 'Test' and 'Save'.

# Alarm Settings

1. Function description: NetEco 1000U reports an alarm and generates a sound prompt based on the alarm severity and preset rules.
2. Choose **System > Alarm Settings** on the main menu. The alarm setting page is displayed, as shown in the following figure.

The screenshot displays the 'System > Alarm Settings' page. At the top, there are three buttons: 'Enable', 'Disable', and 'Default'. Below this is a table with the following data:

<input type="checkbox"/>	Alarm Severity	Alarm Sound	Listening	Play	Alarm Status	Edit
<input type="checkbox"/>	Critical	Critical.mp3		Once	Disable	
<input type="checkbox"/>	Major	Major.mp3		Once	Disable	
<input type="checkbox"/>	Minor	Minor.mp3		Once	Disable	
<input type="checkbox"/>	Warning	Warning.mp3		Once	Disable	

An 'Alarm Sound Settings' dialog box is overlaid on the table. It contains the following fields:

- Alarm Severity: Critical
- Alarm Sound: Critical.mp3 (with a speaker icon)
- Play: Once

Buttons for 'OK' and 'Cancel' are located at the bottom of the dialog.

**Thank you**

[www.huawei.com](http://www.huawei.com)