

# PowerPanel<sup>®</sup> Business Edition Installation Guide

For

**UPS with Remote Management Card** 

Rev. 12 2014/02/17



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## Introduction

A UPS with a remote management card (RMCARD) can provide access to the UPS directly via the network. It provides a service to monitor the status and configure the UPS through the network. It also logs the UPS status and power events.

The PowerPanel<sup>®</sup> Business Edition Client running on the host can communicate with the UPS via the network. In the event of power failure, the Client will be informed of this condition from the RMCARD and request the hosted computer to shut down completely before the UPS stops supplying power due to the battery power being exhausted. It can be installed on various platforms to initiate a shutdown during a power outage including Windows, Linux, Citrix XenServer and VMware ESX/ESXi. The following sections describe installation on the various platforms.



The UPS can establish communication with the PowerPanel<sup>®</sup> Business Edition Center via the network. The Center serves to simultaneously monitor and manage multiple UPS units. When the UPS stops supplying power, any computers running the PowerPanel<sup>®</sup> Business Edition Client, are shut down in advance to avoid a system crash or data loss.

# Hardware Installation

Before installing the PowerPanel<sup>®</sup> Business Edition software, make sure that the following hardware installations are configured properly:

- Verify the computer's power is connected to the UPS outlet properly.
- Verify the computer's network is connected.
- Verify the RMCARD's network is connected.

Please refer to the Remote Management Card User's Manual for a proper hardware installation.



# Installing PowerPanel<sup>®</sup> Business Edition Software

#### Installation on Windows

A popup window will be displayed automatically when inserting the PowerPanel<sup>®</sup> Business Edition installation CD. Users can click the **Install PowerPanel Business Edition software** shortcut on the window to initiate the installation procedure. If the popup window is not displayed when inserting the CD, browse to the CD drive and open the folder which locates at **/Software/Windows** then double click the file named **Setup.exe** to start the installation procedure. To install follow these steps:

• Click the **Next** button to start the installation.



• Accept the license agreement.

Setup - CyberPower PowerPanel Business Edition
License Agreement Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
ELECTRONIC END USER LICENSE AGREEMENT FOR POWERPANEL BUSINESS EDITION
NOTICE TO USER:
THIS IS A CONTRACT. BY INSTALLING THIS SOFTWARE YOU ACCEPT ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT. The End User License Agreement and copyright of PowerPanel(r) Business Edition product and related explanatory materials ("Software") are owned by its originated company. The term "Software" also shall include any upgrades, modified versions or updates of the Software licensed to you by
I accept the agreement
O I do not accept the agreement
< Back Next > Cancel



• Choose the component. In order to monitor multiple UPS units simultaneously, Center should be

installed. If one single computer is powered by the UPS with an RMCARD installed, Client should be installed.

Setup - CyberPower PowerPanel Business Edition	
Select Components Which components should be installed?	
Select the components you want to install; clear the components you do not want to Click Next when you are ready to continue.	install.
Next >	Cancel

• Choose the destination directory.

😃 Setup - CyberPower PowerPanel Business Edition
Select Destination Directory Where should CyberPower PowerPanel Business Edition be installed?
Select the folder where you would like CyberPower PowerPanel Business Edition to be installed, then click Next.
Destination directory           C:\Program Files\CyberPower PowerPanel Business Edition         Browse
Required disk space: 92.4 MB
Free disk space: 2,160 MB
<pre></pre>

• Choose the start menu folder.

Setup - CyberPower PowerPanel Business Edition	
Select Start Menu Folder Where should Setup place the program's shortcuts?	W
Select the Start Menu folder in which you would like Setup to create the program's shortcuts, then click Next.	
Accessories Administrative Tools FastStone Capture Games	
<pre><back next=""></back></pre>	Cancel

• Click the **Finish** button to complete the installation.

Setup - CyberPower Po	werPanel Business Edition
	Completing the CyberPower PowerPanel Business Edition Setup Wizard
	Setup has finished installing CyberPower PowerPanel Business Edition on your computer. The application may be launched by selecting the installed icons.
	Click Finish to exit Setup.
	Login CyberPower PowerPanel Business Edition
	Default username and password is "admin".
	CyberPower PowerPanel Business Edition has configured Windows Firewall settings.
	Finish

#### Installation on Linux

The installer is used to install the Client and requires root permission. The installation wizard will guide users to complete the installation. Browse the CD and find the installer in the **/Software/Linux** folder. Initiate an installation wizard by running the **./ppbe-linux-x86.sh** command or double clicking **ppbe-linux-x86.sh** from desktop on 32-bit Linux systems. Initiate an installation wizard by running the **./ppbe-linux-x86\_64.sh** command or double clicking **ppbe-linux-x86\_64.sh** command or double clicking **ppbe-linux-x86\_64.sh** 

*Note:* On Linux systems, users may mount the CD by using the mount command. Run **mount –t iso9660** /dev/cdrom /mnt/cdrom as a root user. /dev/cdrom is the CD drive and /mnt/cdrom will be the mount point.

To install follow these steps:

• Click the **Next** button to start an installation.



🕤 Setup - CyberPower PowerPanel Business Edition 📃 🗙		
	Welcome to the CyberPower PowerPanel Business Edition Setup Wizard	
	This will install CyberPower PowerPanel Business Edition on your computer.	
	It is recommended that you close all other applications before continuing.	
	Click Next to continue, or Cancel to exit Setup.	
	Next > Cancel	

• Accept the license agreement.

<ul> <li>Setup - CyberPower PowerPanel Business Edition</li> </ul>	X
License Agreement Please read the following important information before continuing.	N
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
ELECTRONIC END USER LICENSE AGREEMENT FOR CYBERPOWER POWERPANEL BUSINESS EDITION NOTICE TO USER:	
THIS IS A CONTRACT. BY INSTALLING THIS SOFTWARE YOU ACCEPT ALL THE TERMS AND CONDITIONS OF THIS	,
<ul> <li>I accept the agreement</li> <li>I do not accept the agreement</li> </ul>	
< Back Next > Car	ncel

• **Choose the component.** In order to simultaneous monitor multiple UPS, Center should be installed. If one single computer which is powered by the UPS requiring protection, Client should be installed.

CyberPower\* Reliability. Quality. Value.

<ul> <li>Setup - CyberPower PowerPanel Business Edition</li> </ul>	×
Select Components Which components should be installed?	]
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.	
Center 🞯	
Next > Cance	el

• Choose the destination directory.

🕤 Setup - CyberPower PowerPanel Business Edition 📃 🗙
Select Destination Directory Where should CyberPower PowerPanel Business Edition be installed?
Select the folder where you would like CyberPower PowerPanel Business Edition to be installed, then click Next. Destination directory
/usr/local/ppbe Browse
Required disk space: 62.1 MB
Free disk space: 6,176 MB
< Back Next > Cancel

• The daemon **ppbed** will start during installation.





• Click the **Finish** button to complete the installation.



#### Installation on Text Mode

When the system does not support graphic mode, the Linux installation needs to be initiated in the terminal by using the **./ppbe-linux-x86.sh -c** command on 32-bit systems or use **./ppbe-linux-x86\_64.sh -c** command on 64-bit systems.

The installation procedure will be initiated as following steps:

• Press Enter to start an installation.

```
Starting Installer ...
This will install CyberPower PowerPanel Business Edition on your computer.
OK [o, Enter], Cancel [c]
```

• Accept the license agreement.

```
YOUR ACCEPTANCE OF THE FOREGOING AGREEMENT WAS INDICATED DURING
INSTALLATION.
I accept the agreement
Yes [1], No [2]
```

• **Choose the component.** In order to monitor multiple UPS units simultaneously, Center should be installed. If one single computer is powered by the UPS, Client should be installed.



• Choose the destination directory.



Where should CyberPower PowerPanel Business Edition be installed? [/usr/local/ppbe]

Installation procedure starts and once finished. It will end automatically.

Please wait for CyberPower PowerPanel Business Edition configuring Default username and password is "admin". CyberPower PowerPanel Business Edition may not do hibernation. Finishing installation...

#### Installation on VMware ESXi and ESX

#### Installation on ESXi

Installation must be launched in the **vMA** (**vSphere Management Assistant**) which is also a virtual machine on the ESXi host. In order to deploy vMA on the ESXi host and install PPBE in the vMA, users must install the **vSphere Client** tool on another remote computer first. To download the vSphere Client installer, users can enter the ESXi host IP address to access the web page. Users can visit <u>VMware</u> website for *vSphere Management Assistant Guide document* about vMA deployment on VMware ESXi.

The installer will guide users in completing the installation. Refer to <u>Installation on Text Mode</u> section to follow the same steps to complete installation. The installer requires root permission to initiate the installation procedure. Mount CD by running **mount -t iso9660 /dev/cdrom /mnt/cdrom** as a root user.(**/dev/cdrom** is the CD drive and **/mnt/cdrom** will be the mount point.). Browse the CD drive and find the installer in the **/Software/Linux** folder. Initiate an installation procedure by running the **./ppbe-linux-x86\_64.sh** command.

**Note:** In order to allow the interactions between physical and virtual machines, VMware tools have to be installed on each virtual machine. Refer to VMware ESX/ESXi Server documentation for further information about VMware Tools.

#### Installation on ESX

Installation must be launched in the **Service Console** (aka **Console Operation System**). To initiate the installation procedure on VMware ESX also requires root permission. Use the same command to mount CD and initiate the installation procedure. Refer to <u>Installation on Text Mode</u> section to complete the installation.

#### Virtual Appliance Deployment on ESXi

A virtual appliance (VA) is a prebuilt software solution, comprised of one or more virtual machines that is packaged, maintained, updated and managed as a unit. It is fundamentally changing how software is developed, distributed, deployed and managed.

Download the PPBE virtual appliance which is pre-installed Client from <u>CyberPower</u>. In order to deploy the PPBE virtual appliance on VMware ESXi host, users must install **vSphere Client** tool first on another remote computer. To download the **vSphere Client** installer, users can enter the ESXi host IP address to access web page of ESXi host.



The deployment procedure will be initiated as below steps:

 Launch the vShpere Client. Open the Deploy OVF Template window from File > Deploy OVF Template... item.

File	Edit	View	Inventory	Adminis
	New			•
	Depl	oy OVF	Template	-
	Ехро	rt		•
1	Repo	ort		•
	Brow	se VA I	Marketplace	)
	Print	Maps		Þ
	Exit			

 Click Browse to import the ppbeXXX\_centos.ovf extracted from the download zip file. Click Next to start a deployment task.

🕢 Deploy OVF Template	
Source Select the source location.	
Source OVF Template Details End User License Agreement Name and Location Deployment Configuration Disk Format IP Address Allocation Ready to Complete	Deploy from a file or URL E:\va\ppbe232_centos_bugfix\ppbe232_centos\ppbe232_r  Browse Enter a URL to download and install the OVF package from the Internet, or specify a location accessible from your computer, such as a local hard drive, a network share, or a CD/DVD drive.
Help	BackCancel

• The OVF template detail is displayed. Click **Next** to continue.

PowerPanel<sup>™</sup> Business Edition



🕜 Deploy OVF Template			- • •
OVF Template Details Verify OVF template details	s.		
Source OVF Template Details	,		
Name and Location	Product:	ppbe232_centos	
Disk Format Ready to Complete	Version:		
	Vendor:		
	Publisher:	No certificate present	
	Download size:	662.2 MB	
	Size on disk:	1.5 GB (thin provisioned) 20.0 GB (thick provisioned)	
< <u> </u>	Description:	PowerPanel Business Edition software(Agent) provides the service which communicates with the UPS through USB or Serial cable and relays the UPS state to each Client on other computers via a network. It also monitors and logs the UPS status. The computer which has been installed the Agent provides graceful, unattended shutdown in the event of the power outage to protect the hosted computer.	
Help		_≤Back Next ≥	Cancel

• Enter the name for the deployed PPBE virtual appliance. This name should be unique within the inventory.

💋 Deploy OVF Template	
Name and Location	on for the deployed template
Source OVF Template Details Name and Location Disk Format Ready to Complete	Name: pbbe232_centos The name can contain up to 80 characters and it must be unique within the inventory folder.
< ► Help	_≤Back Next ≥ Cancel
	li li

• Select the virtual disk format for the PPBE virtual appliance. The default option is **Thin Provision**. Refer to <u>About Virtual Disk Provision Disk Policies</u> for further information about how to select virtual disk format.



🕝 Deploy OVF Template			- • •
<b>Disk Format</b> In which format do you wa	int to store the virtual disks?		
Source OVF Template Details Name and Location Disk Format Ready to Complete	Datastore: Available space (GB): <sup>(C)</sup> Thick Provision Lazy Zero <sup>(C)</sup> Thick Provision Eager Zer <sup>(C)</sup> Thin Provision		
Help		≤Back Next ≥	Cancel

• A deployment detail is displayed. Click **Finish** to start the deployment task.

🕜 Deploy OVF Template								
Ready to Complete Are these the options yo	u want to use?							
Source OVF Template Details	When you click Finish, the deployme	ent task will be started.						
Name and Location	Deployment settings:	Deployment settings:						
Disk Format	OVF file:	E:\va\ppbe232_centos_bugfix\ppbe232_centos\ppbe232						
Ready to Complete	Download size:	662.2 MB						
	Size on disk:	1.5 GB						
	Name:	ppbe232_centos						
	Host/Cluster:	localhost.cyberpowersystems.com.tw						
	Datastore:	datastore1						
	Disk provisioning:	Thin Provision						
	Network Mapping:	"VM Network" to "VM Network"						
	Power on after deployment							
1								
Help		< Back Finish Cancel						

• After the deployment task is complete, the PPBE virtual appliance will be added into the inventory.





• Click **Power on the virtual machine** to power on the virtual machine and ready to access the Client.

ppbe232_centos	
Getting Started Summary Resource Allocation Performance Events Co	nsole Permissions
	close tab 🗵
What is a Virtual Machine?	
A virtual machine is a software computer that, like a physical computer, runs an operating system and applications. An operating system installed on a virtual machine is called a guest operating system.	Virtual Machines
Because every virtual machine is an isolated computing environment, you can use virtual machines as desktop or workstation environments, as testing environments, or to consolidate server applications.	Host
Virtual machines run on hosts. The same host can run many virtual machines.	
Basic Tasks	vSphere Client
Power on the virtual machine	
🖗 Edit virtual machine settings	

Login the virtual appliance. The default username and password are admin. In order to perform shutdown accurately, you must change the time zone settings of the virtual appliance.
 This can be a direct copy of the time zone file from the /usr/share/zoneinfo folder. We assume that the host is located under the Chicago CST zone in Chicago, and the time zone can be changed by running the command cp /usr/share/zoneinfo/America/Chicago /etc/localtime.

#### Installation on XenServer

The installer requires root permission to install the PowerPanel<sup>®</sup> Business Edition. Mount CD by running **mount -t iso9660 /dev/cdrom /mnt/cdrom** as a root user (**/dev/cdrom** is the CD drive and **/mnt/cdrom** will be the mount point.). Browse the CD drive and run **./ppbe-linux-x86.sh** command to initiate an installation procedure.

Installation must be launched on the **Dom0**. Refer to <u>Installation on Text Mode</u> section to complete the installation.

#### Installation on Hyper-V Server

Use the PowerPanel<sup>®</sup> Business Edition installation CD to complete the installation on the target computer. Run the *CD\_Drive>\Software\Windows\setup.exe* to start the installation procedure (*CD\_Drive is a CD drive formatted as D: or E:*). A popup window will be displayed when the installation is launched. Refer to Installation on Windows section to follow the same steps to complete installation.





## **Access PowerPanel<sup>®</sup> Business Edition Software Interface**

To access the PowerPanel<sup>®</sup> Business Edition interface in Windows, go to **Start > All Programs > CyberPower PowerPanel Business Edition > PowerPanel Business Edition Client** (or **PowerPanel Business Edition Center**), which will take you to the login page.

On Linux, user can also enter the URL as http://localhost:3052/ in the address of the web browser to access to the interface. User can also enter the URL, http://hosted\_computer\_ip\_address:3052/, in the address of the web browser to access the interface from a remote computer. hosted\_computer\_ip\_address is the IP address of the host computer which has the PowerPanel<sup>®</sup> Business Edition installed. For vMA on the ESX or ESXi, hosted\_computer\_ip\_address is the IP address of the host computer on ESX.).

The default username is **admin** and the default password is **admin**. For security purposes, it is recommended you change the login username and password after the initial login.

PowerPanel<sup>®</sup> Business Edition supports multiple-language function and allows users to change language. It will choose the suitable language as the default one to display at the initial access. Users can change the language from the banner. After the language is changed, the page will refresh automatically and choose the assigned language as the default one to display.





## **Configure Power Protection for Computers**

In order to ensure the computers which are connected to the UPS have sufficient time to complete the shutdown prior to turning off outlets, Client should be installed. The Client will establish communication with the UPS and receive commands from the UPS for a complete shutdown to avoid data loss or a system crash. Refer the **Install PowerPanel<sup>®</sup> Business Edition Software** chapter for installing the Client.

## Assign IP Address of UPS Units and Connected Outlet

Communication can be established through the network by assigning the IP address of the UPS **RMCARD** and outlet assignment on the **Power/Configuration** page in the Client. In order to ensure the UPS RMCARD can respond to the Client normally, the community configuration must be setup properly.

Assign the IP address of the UPS RMCARD at the *Address* field or pick an address from the device list which shows all devices on the local network. Users have to assign the UPS output outlet which supplies power to the Client computer according to the actual connection. Click the **Apply** button for Client to establish the communication between Client and UPS.

#### Setup Necessary Shutdown Time

Each computer running the Client requires sufficient time to be shut down completely before the UPS stops supplying power. Therefore users should set up this sufficient time at the *Necessary shutdown time* option on the **Event Action/Settings** page in the Client.

#### **Configure Shutdown Action for ESXi**

In order to ensure the ESXi host and all virtual machines can be shut down correctly in case of power events, users have to configure the host address, account and password of the root user for the host shutdown from vMA. Fill in the *Host Address, Account* and *Password* fields with actual username and password for ESXi host on the **Event Action/Settings** page.

**Note:** Host Address is the IP address of the ESXi host computer on which vMA is operating but not the IP address of vMA.

Shutdown	
Necessary shutdown time	3 🚽 minutes
Shutdown type	Shutdown 👻
VM Host	
Host Address	192.168.100.200
Account	root
Password	•••••
	Apply



**Note:** In order to allow the interactions between physical and virtual machines, VMware tools must be installed on each virtual machine. Refer to VMware ESX/ESXi Server documentation for further information about VMware Tools.

#### Configure Shutdown Action for XenServer

In order to ensure the XenServer host and all virtual machines can be shut down correctly, users have to configure the account and password of root user for host shutdown. Fill in the *Account* and *Password* fields with actual username and password for shutdown action on the **Event Action/Settings** page.

Shutdown	
Necessary shutdown time	3 🚽 minutes
Shutdown type	Shutdown 👻
VM Host	
Account	root
Password	•••••
	Apply

#### Configure Startup and Shutdown of Virtual Machines on ESX/ESXi

In order to ensure that all virtual machines and VMware ESX/ESXi server host can be shut down and restart gracefully.

Select the topmost VMware ESX/ESXi server host from the tree hierarchy on the left side. Go to
 Configuration → Virtual Machine Startup/Shutdown menu → Properties of the vSphere Client.

lardware	Virtua	Virtual Machine Startup and Shutdown Properties							
Health Status	1		Stop Virtual Machines	with the sys		abled			
Processors			artup Delay			ninutes			
Memory	Defa	ult Sh	utdown Delay		2 n	ninutes			
Storage	Startu	p Ord	er						
Networking	Order	Virt	ual Machine	Startup	Startup Delay	Shutdown	Shutdown Delay		
	Autom	atics	Startup						
Storage Adapters	1	Ð	XP SP3	Enabled	10 seconds	Suspend	30 seconds		
Network Adapters	2	Ā	vSphere Managem	Enabled	120 seconds	Shut do	120 seconds		
Advanced Settings		_							
ftware									
Licensed Features									
Time Configuration									
DNS and Routing									
Virtual Machine Startup/Shutdown									
Virtual Machine Swapfile Location									
Security Profile									
System Resource Allocation									
Advanced Settings									

• Enable the Allow virtual machines to start and stop automatically with the system option.

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System S Allow v Default S For each	Machine Startup and Shut Settings virtual machines to start and s Startup Delay virtual machine, delay startu seconds ntinue immediately if the VMw	top automa		Default Si For each 120	hutdown Delay	y shutdown for:	
Startup ( Power on Order	Drder the specified virtual machines Virtual Machine				they will be stopped	in the opposite orde	
1 2 Any Or	atic Startup XP SP3 vSphere Managem der IStartup	Enabled Enabled	10 seconds 120 seconds	Suspend Shut do	30 seconds 120 seconds		Move Up Move Down Edit,.,
,					OK	Cancel	Help

## Configure Shutdown of Virtual Machines on Hyper-V Server

In order for the virtual machines to be shut down correctly when the Hyper-V host shuts down, users should configure a guest operating system shutdown on each virtual machine.

Follow below steps to configure the guest virtual machine to shut down with the host:

• Using the Hyper-V Manager to choose a VM and the click Settings.

1 a			Hyper-V Ma	nager			_ 0 ×
File Action View Help							
🗢 🔿 🖄 📰 🛛							
Hyper-V Manager	No. 1 100 11						Actions
WIN-P616GBPQQRH	Virtual Machine						WIN-P616GBPQQRH -
	Name	State	CPU Usage	Assigned Memory	Uptime	Status	vm-01
	ERP server vm-01	Off Running	29 %	256 MB	01:47:42		onnect
	VII-01	Running	23 %	200 MD	01.47.42		Settings
							Turn Off
							Shut Down
							🕘 Save
	<					>	Pause
	Snapshots					٢	Reset
	Shapshots						🍃 Snapshot
		The selected virtual machine has no snapshots.					
							🗐 Rename
							📳 Enable Replication
							👔 Help
	vm-01						
	Cre	eated: 7/2/2013 5:47	13 PM	Clustered:	No		
	Not	tes: None		Heartbeat:	No Contact		
	Summary Memory N	letworking Replication	1				

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Hyper-V server will shut itself down only after the running virtual machines shut down. Ensure that the *Necessary shutdown time* in the **Event Actions/Settings** page must be sufficient to support the virtual machines to shut down and the Hyper-V server to shut down.

**Note**: In order to allow the interactions between physical and virtual machines, Hyper-V Integration Service (HIS) have to be installed on each virtual machine by accessing **Insert Integration Services setup disk** item from the **Action** menu of each virtual machine's console.

If the virtual machine is running a Linux distribution, refer to the <u>Linux Integration Services for Hyper-V</u> page to download and re install the Linux integration service for Hyper-V.

## Manage UPS Units in Center

If the administrator requires monitoring multiple UPS units on the local network at one time, PowerPanel<sup>®</sup> Business Edition Center should be installed. The Center can gather the state and events from the monitored UPS units and the monitored UPS units can also accept commands from the Center for shutting off or restarting. Computers running Client can be ordered to initiate a graceful shutdown. Refer to <u>Installing</u> <u>PowerPanel<sup>®</sup></u> Business Edition Software chapter for further details about Center installation.

The Center can also establish communication with multiple UPS units. Monitored UPS units will relay the state to the Center and notify Center when and what power event occurs.





#### Add UPS Units

Users can monitor and control multiple UPS on the **Management/Power Equipment** page by accessing the *Add Device* window to add UPS to Center as below:

The *Add Device* window can be accessed by clicking the *Add Device* button of the toolbar or selecting the *Add Device* in the context menu of any one group node.

Management Power Equipment	Power Equipment M	anagement
IT Equipment		
System Logs <b>Security</b>	Block A On Maintain	
Login Authentication	RMCAR201	Normal.
Network <b>Help</b>	RMCARD202	🥑 Normal.
Content About		
Logout		

Either enter the IP address of the UPS RMCARD on the *Device Address* field or click the **Browse** button to display the device list and select the IP address from the list. Click **OK** to proceed to add the selected UPS.



A	dd C	Device					×
	Dev	ice Address	92.168.10.205,192	.168.24.71	В	rowse	
						Refresh	
		Name	Location	IP Address	Туре	Uptime	
		OL2000RMX	. Server Room	192.168.10.205	UPS	2h 37m 3	
	☑	OL2000RMX	. Server Room	192.168.24.71	UPS	2h 3m 33s.	
		PDU15SW8	Server Room	192.168.24.54	PDU	47m 20s.	
		PDU15SW8	7F	192.168.24.34	PDU	137 days	
			ок	Cancel			

Note: If users require adding multiple UPS units to Center, repeat the aforementioned steps.

Note: Please refer to PPBE User's Manual about further details of more functions about Center.