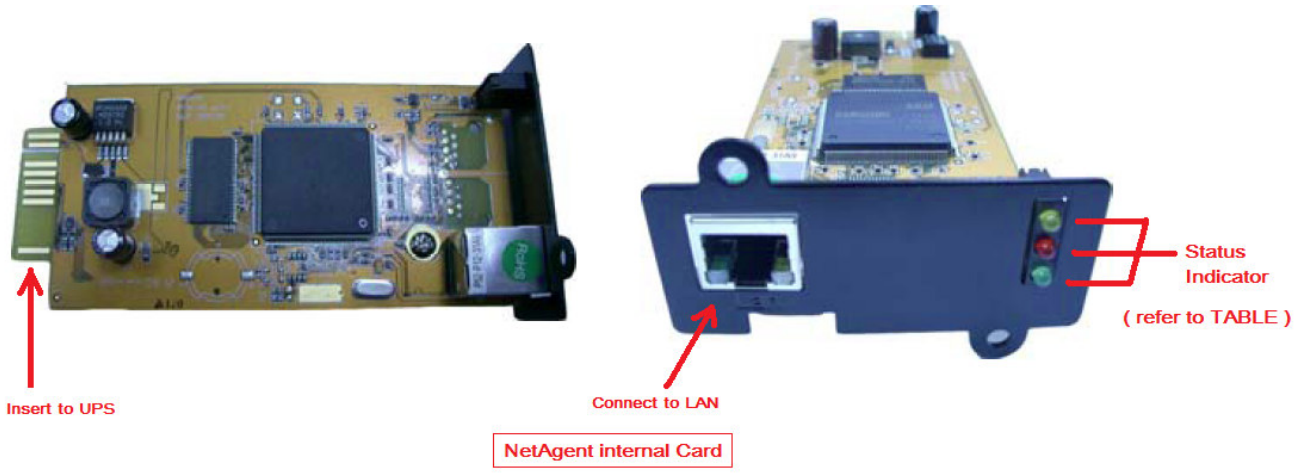
QUICK INSTALLATION GUIDE
Network Management Card
RMCARD301

The RMCARD301 Network Management Card provides for advanced ups management and configuration.

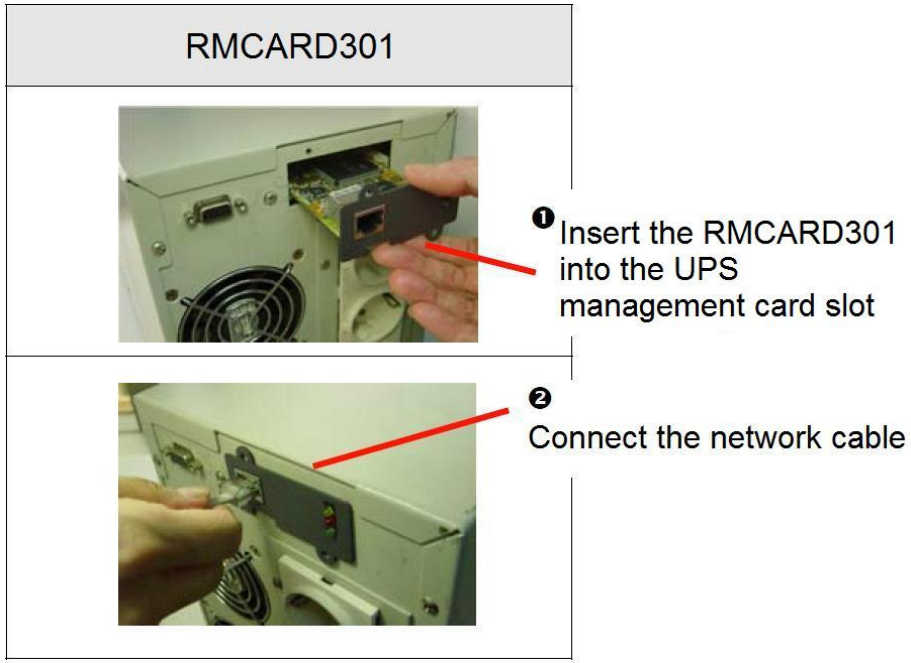
INSTALLATION GUIDE

Description:



LED Status indicator TABLE			
Yellow	**Red**	**Green**	**Status**
Off	Off	ON	Power ON
Flashing	ON	ON	System initial
ON	Off	ON	Normal operation
ON	Flashing	ON	No connection to UPS
Flashing	Flashing	ON	Writing data to flash memory
Green light : Power state Red light : Connection state with UPS			

Step 1. Hardware Installation



(1) Insert the RMCARD301 into the UPS management card slot
(2) Connect the network cable

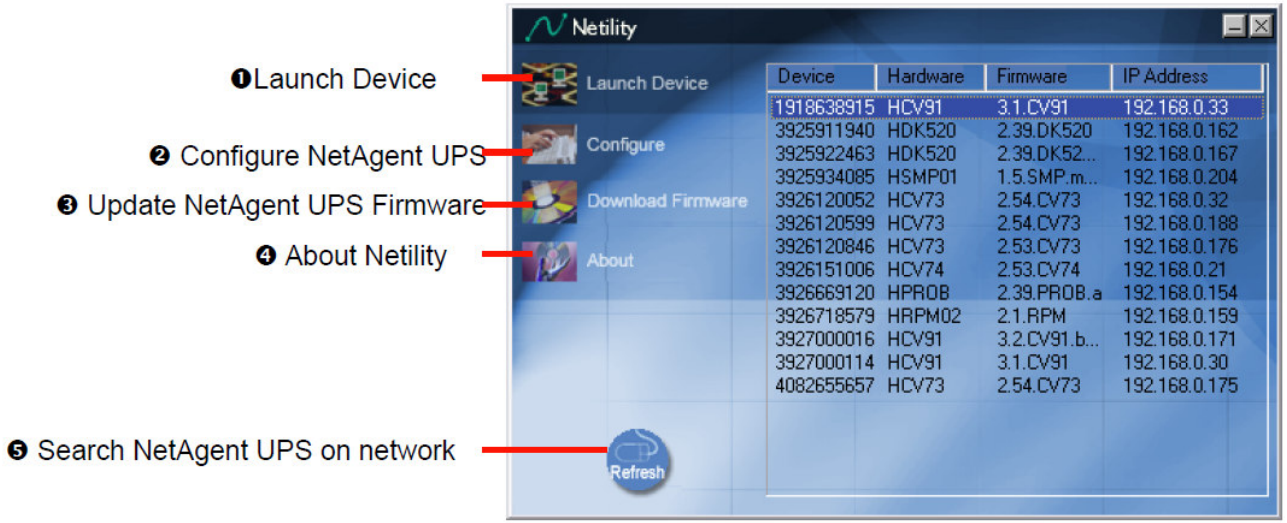
Step 2. Configure the IP address and update the firmware.

Section 1. Install Netility
(1) Insert the NetAgent Utility CD to the CD-ROM driver and execute Netility.exe.
(2) After the installation completes, there will be a ‘Netility’ group in Windows ’Start’ -> ‘Program Group’.

(3) Click "Netility" to launch Netility and enter the main configuration screen.

Section 2. Using Netility

The main Netility screen shows a list of all the RMCARD301s found on the network and shortcuts to configure, update, or launch the device.



(1) Launch Device

Click Launch Device or double click the RMCARD301 listed in the table to launch it.

Enter the Account (Login Name) and Password (Login Password) to login. If an Account and Password have not been configured click "Apply" to login.

(2) Configure

Choose the RMCARD301 from the table, then click “Configure”.

IP Address: Set the IP address for the RMCARD301

Select DHCP, BOOTP, or Static IP. For a static IP configure the IP address, subnet mask and gateway. After configuring the settings the RMCARD301 interface is accessible using a browser or telnet.

Advanced: RMCARD301 Settings

In order to ensure the secure management the RMCARD301 provides two security options to control access to the management interface.

RMCARD301 Password

After setting the password all commands given to the RMCARD 301 by the Netility software will require the password. **(Make sure to remember the password.)**

Management Protocol

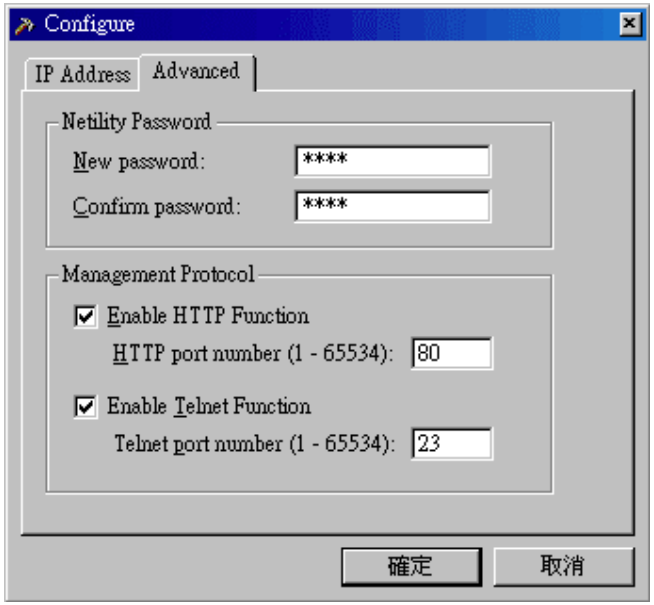
The RMCARD301 provides HTTP (web) and Telnet access for management. For security purposes the port for each protocol can be configured.

1. On the advanced tab select HTTP and Telnet management and the port to use for each. The default ports for each protocol can be used.
2. If using a port other than the default for HTTP (80) or Telnet (23) the full IP address and port must be used to access the RMCARD301.

For example,

(a) Set 81 as HTTP port number, then http://192.168.0.177:81 must be typed at the web address to proceed to RMCARD301 web interface.

(b) Set 24 as Telnet port number, then "192.168.0.177:24" must be typed at Telnet to proceed to the RMCARD301 Telnet interface.

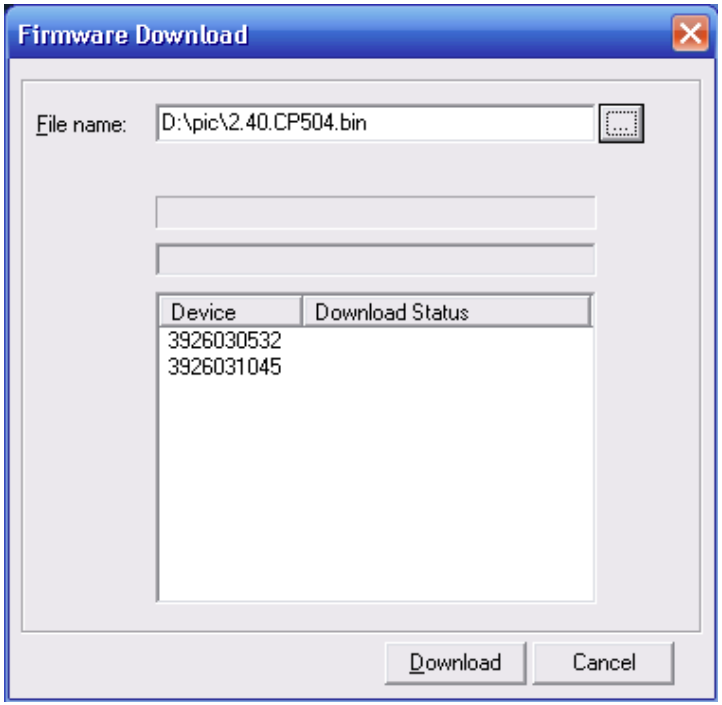


(3) Download Firmware

The RMCARD301 offers a simply method to upgrade the firmware. To upgrade firmware, click ***Download Firmware*** from RMCARD301 Setup menu, click “Browser” select new firmware file (*.bin) and press “Start”. The RMCARD301's Red LED and Yellow LED will flash to indicate the firmware is upgrading. After the upgrade is complete the RMCARD301 will reboot. To upgrade multiple RMCARD301s with the same firmware, press and hold the Ctrl key and select the RMCARD301s to upgrade.

(To obtain the latest firmware please visit **http://www.megatec.com.tw**) If upgrading multiple units, select the option for multiple NetAgent upgrades.

Note: The RMCARD301 provides a fail safe method to upgrade the firmware. If the upgrade is interrupted the RMCARD301 will revert to the previous firmware. If the upgrade fails simply repeat the upgrade process.



(4) About - Displays details about the current version of Netility.

(5) Refresh - Forces netility to scan the network for RMCARD301s.

Netility will automatically scan the network or the refresh button can be used to force another scan..

RMCARD301 Web Management

Section 1. Introduction

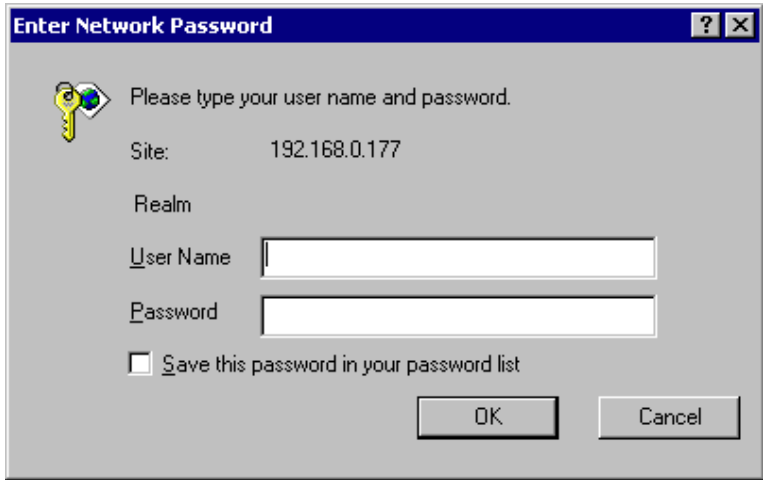
After completing the RMCARD301 installation, you will now be able to go to RMCARD301 web interface to monitor and control UPS by inputting RMCARD301 IP address in a web browser.

(1) Launch a web browser (Firefox or Internet Explorer)

(2) Enter the RMCARD301 IP Address previously configured e.g. 192.168.0.177.

Enter the RMCARD301 IP address

(3) On the first screen, enter the previously configured password. If no password has been configured press [ENTER].



RMCARD301 Login dialog

Section 2. RMCARD301 NetAgent Web Interface

There are 4 main function categories on the initial screen.

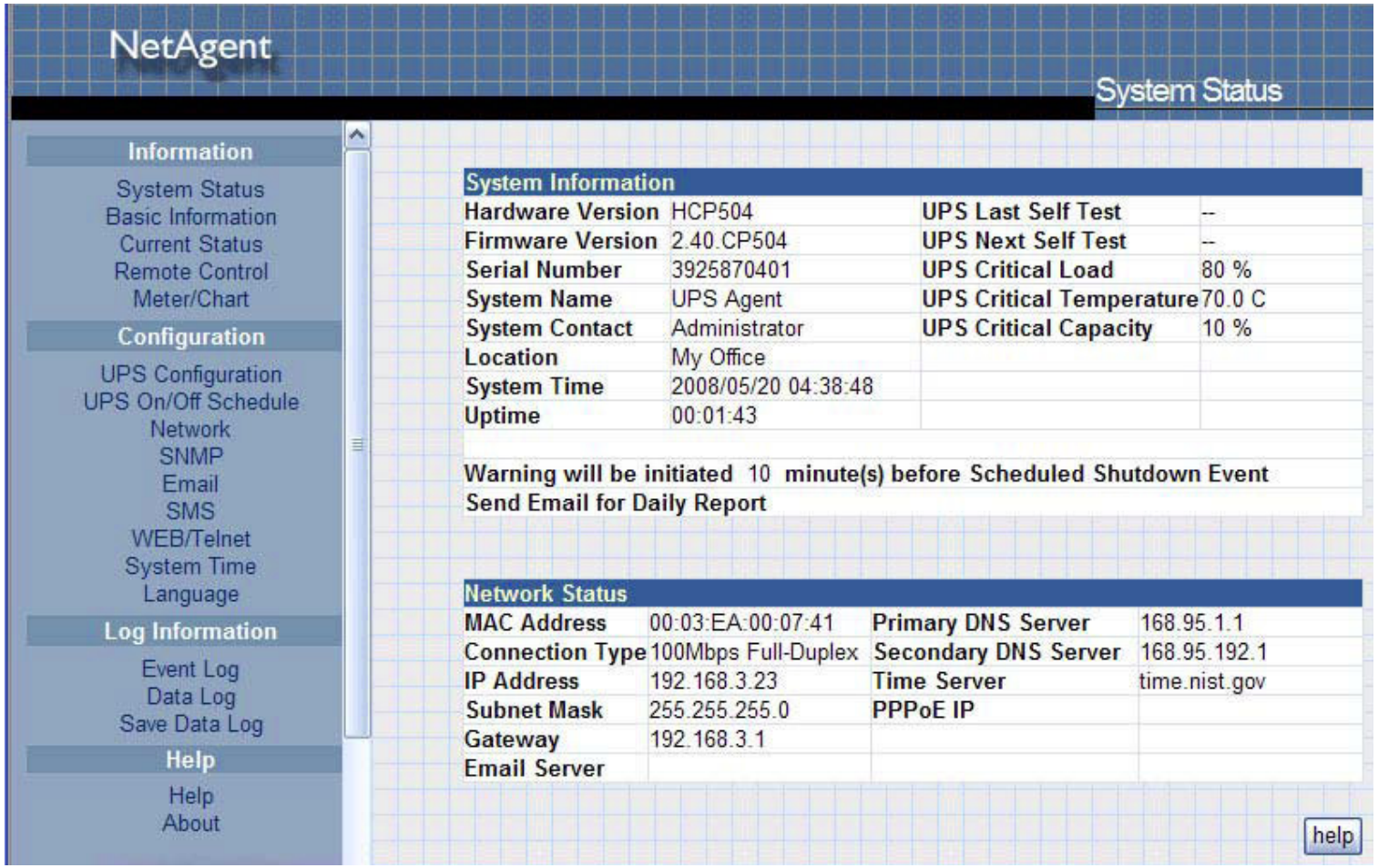
2.1 Information

2.2 Configuration

2.3 Log Information

2.4 Help

Select the main category on the left and the subcategory. **When using NetAgent for the first time, please enter the [Configuration] category to set the necessary configurations.**



2.1 Information

Sub-Menu :

2.1.1 System Status

2.1.2 Basic Information

2.1.3 Current Status

2.1.4 Remote Control

2.1.5 Meter/Chart

2.1.1 System Status

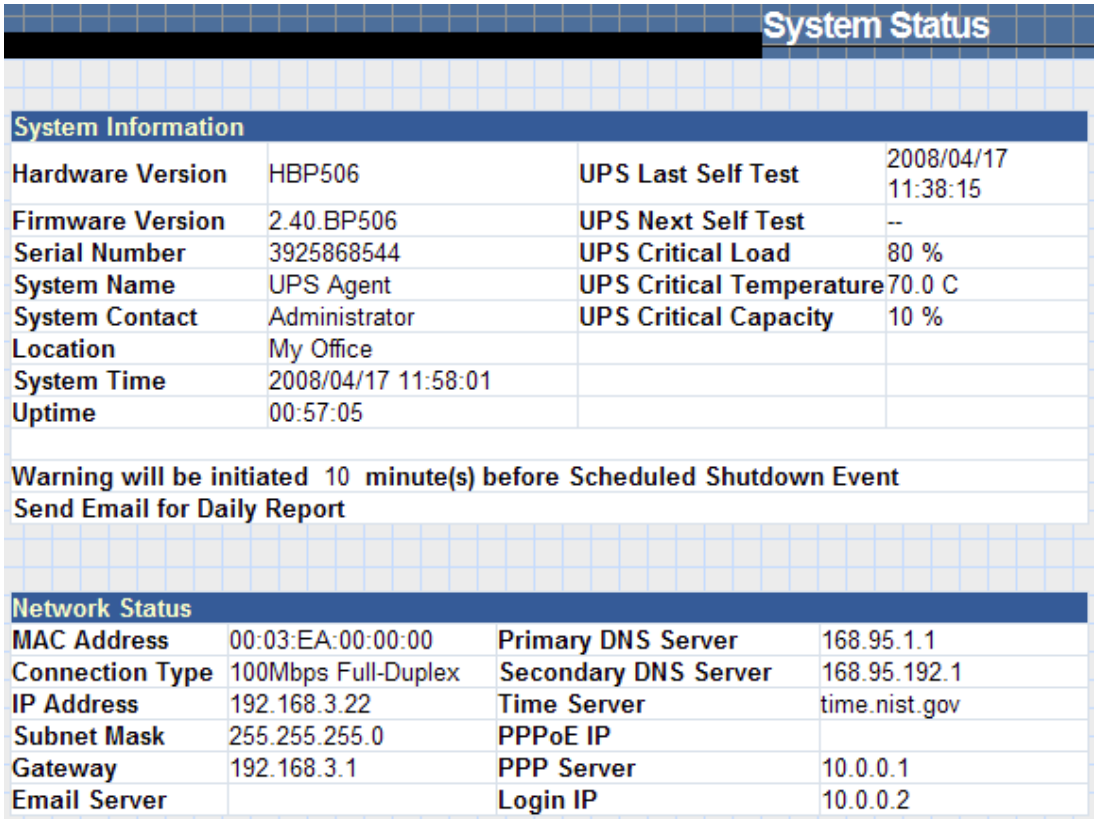
This screen displays the NetAgent system information and Network settings. Values shown here are either provided by NetAgent itself or they are user settings from the Configuration pages.

System Information

This section displays the NetAgent system information. Values in Hardware Version/Firmware Version/Serial Number/System Time are provided by NetAgent itself. Other values are user settings from the Configuration pages.

Network Status

This section displays NetAgent Network settings. The MAC address is provided by NetAgent. All other values in this section are user settings from the Configuration pages.



System Status

2.1.2 Basic Information

This page displays basic information about the UPS. Values here are either provided by the UPS or they are user settings from the Configuration pages.

UPS Information

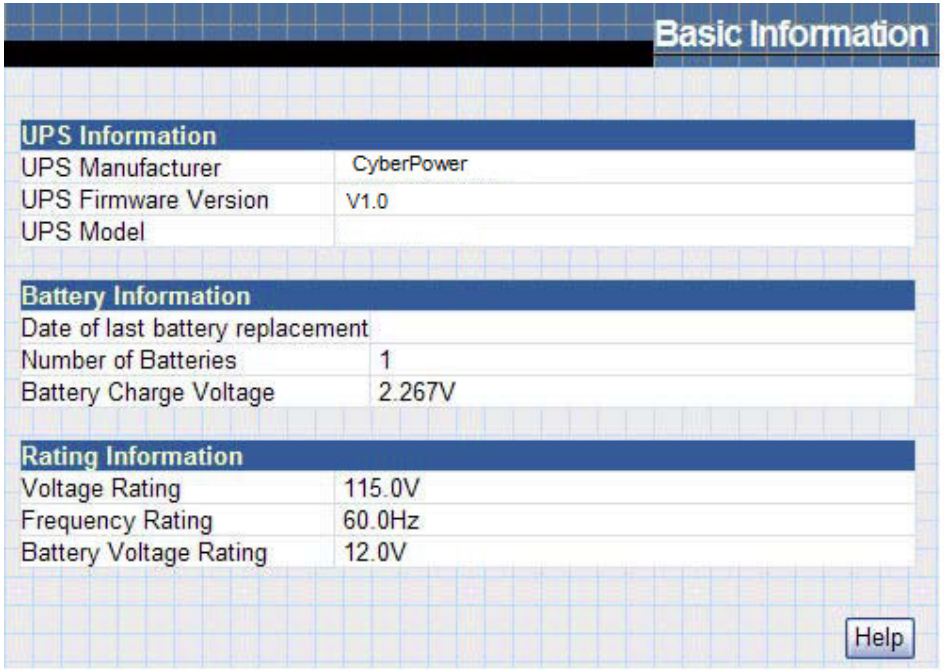
Information about UPS Manufacturer/UPS Firmware Version/UPS Model are provided by the UPS.

Battery Information

Values here are user settings from the Configuration pages.

Rating Information

Values here are provided by the UPS.



Basic Information

2.1.3 Current Status

This page displays the current UPS status. Users can choose an interval from the drop-down box to refresh the status readings.

UPS Status

This section displays the UPS power status. An abnormal status will be displayed in red when there is a power event.

Input Status

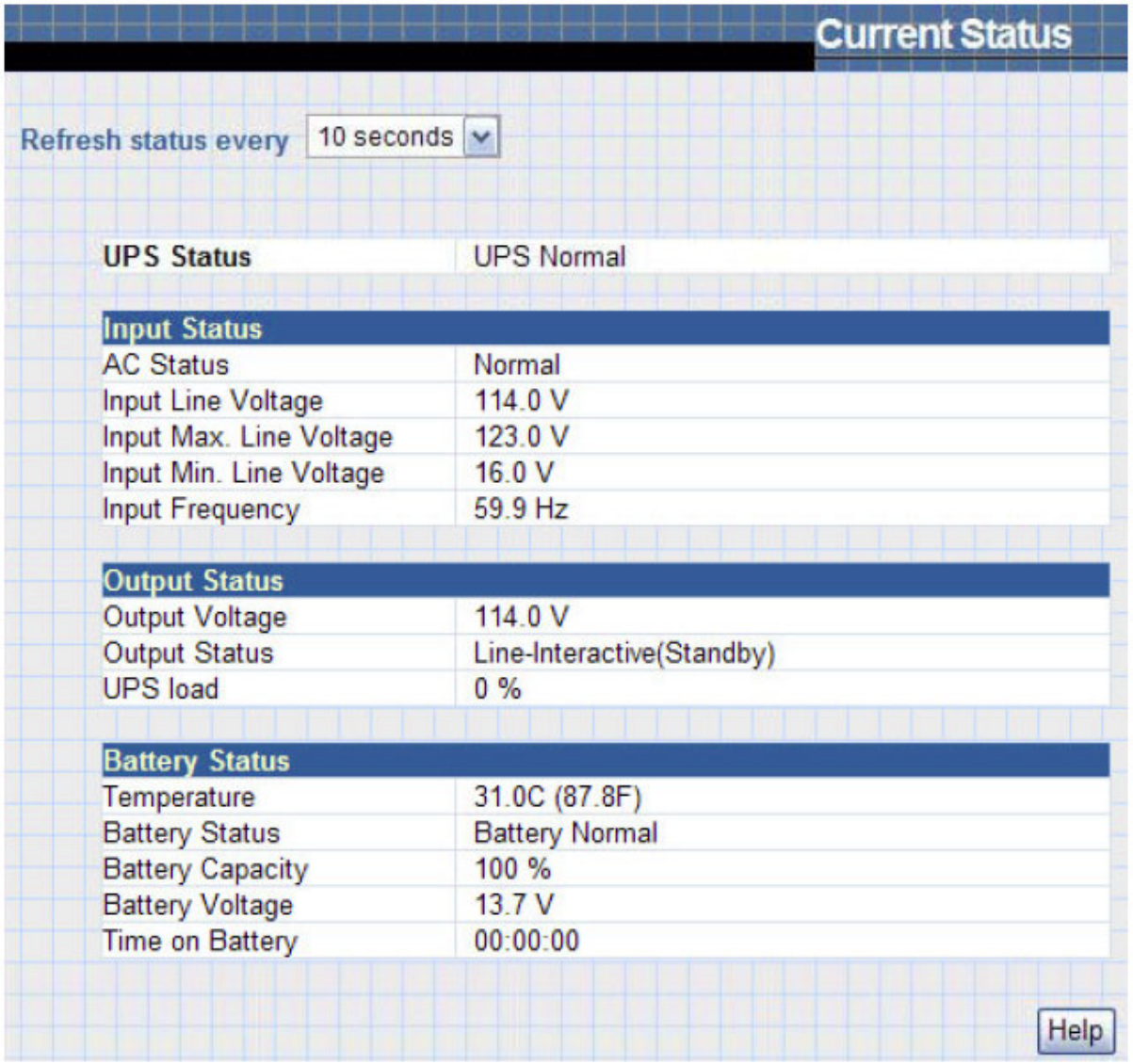
This section displays the UPS input status, including AC Status/Input Voltage/Input Frequency. Values here will be shown in red when an abnormal condition occurs.

Output Status

This section displays the UPS output status, including Output Voltage/Output Status/UPS Loading. Values here will be shown in red when an abnormal condition occurs.

Battery Status

This section displays the UPS Battery Status, including Temperature/Battery Status/Battery Capacity/Battery Voltage/Time on Battery. Values here will be shown in red when an abnormal condition occurs.



Current Status

2.1.4 Remote Control

This page provides test routines for the UPS. Select the specific test, then click on 'Apply' to execute it. (Please refer to the UPS manual for additional information on the individual UPS Test functions.)

If you are using a Contact Closure UPS, you will only be able to use the function ' Turn off UPS when AC Failed'.

Cancel Test

This function cancels the current test.

Turn off UPS when AC failed/Reboot UPS

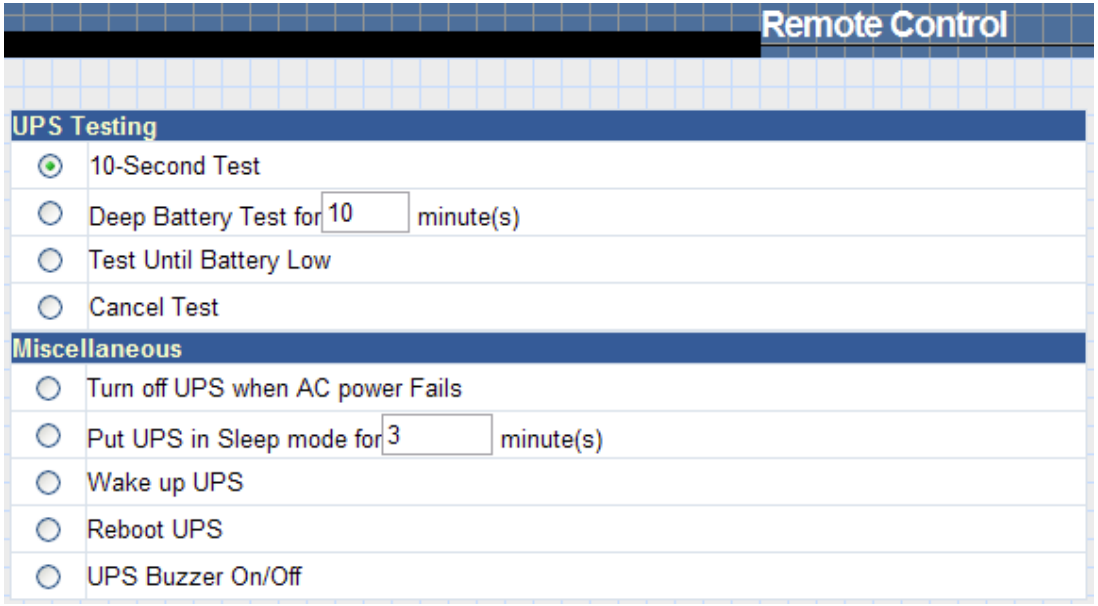
Selecting ' Turn off UPS when AC failed' will turn off the UPS. You can reboot the UPS by selecting ' Reboot UPS'.

Put UPS in Sleep mode for __ minutes/Wake up UPS

When the UPS is put into Sleep mode, it will not provide power. The UPS will provide power again after Sleep mode time is complete.

Reboot UPS

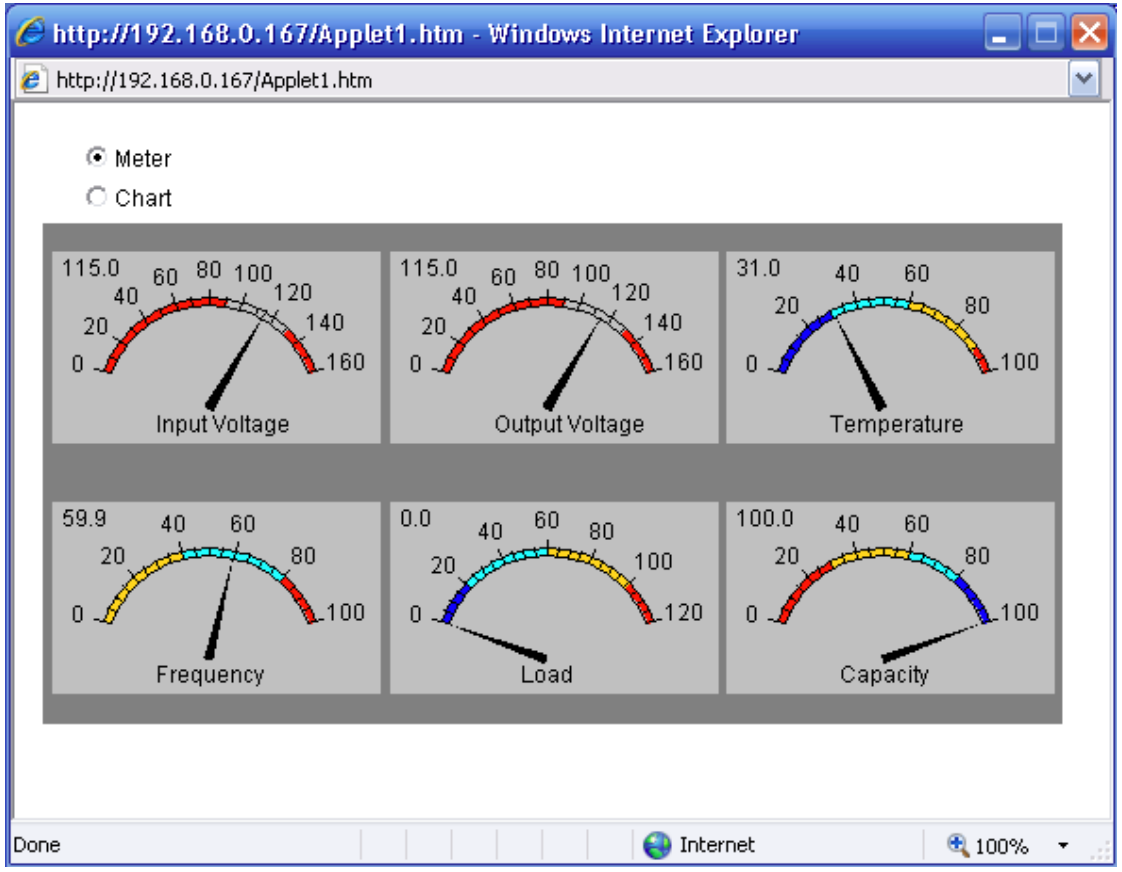
This will power off the UPS and restart it. Caution: The load will lose power..



Remote Control

2.1.5 Meter/Chart

This page displays temperature, capacity, load, voltage..etc of the UPS with using graphic meters or charts.



Meter/Chart