



MARATHON  
P O W E R

**UPSMON PRO V.2.54**  
Monitoring Software  
**USER MANUAL**



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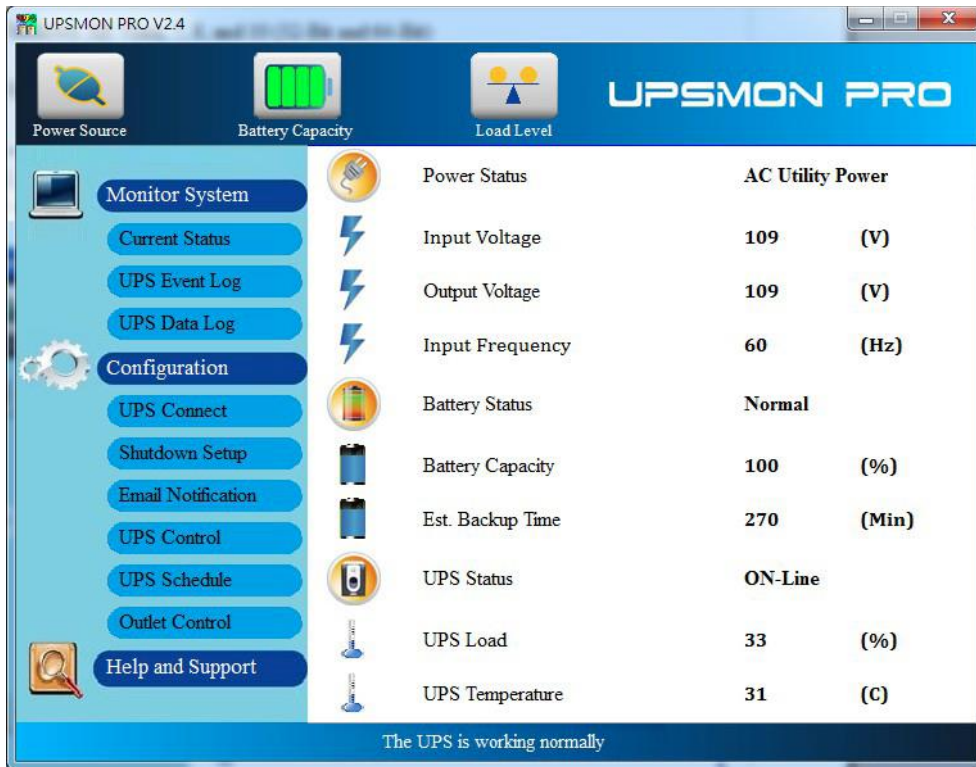
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## Section 1 - Overview

UPSMON PRO is compatible with the following windows:

1. Windows XP, Vista, 7, 8, and 10 (32-Bit and 64-Bit)
2. Windows Server 2000, 2003, 2008, 2012, 2016, and Hyper-V (32-Bit and 64-Bit)

**NOTE: Administrator authority is necessary to execute windows shown here.**



## Section 2 – UPS Connection

To start the ups connection:

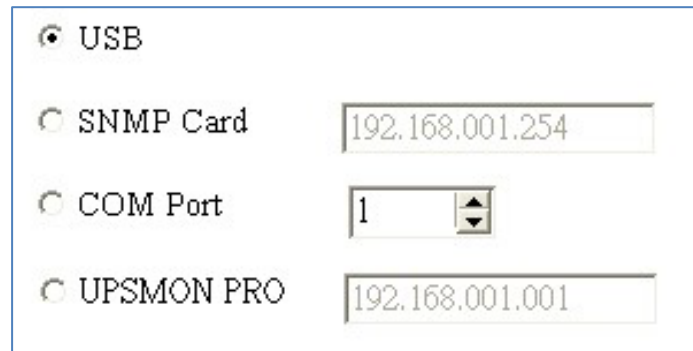
### 1. Connect Page

### 2. Choose the ups connecting interface:

- a. USB Port
- b. SNMP Card: Enter the SNMP card IP address
- c. COM Port: The serial port cable is attached from the ups box

**NOTE: The serial port cable is not suitable from the others.**

- d. UPSMON PRO: Enter the UPSMON PRO computer IP address



The screenshot shows the 'UPS Connect' configuration window. It has four radio button options: 'USB' (selected), 'SNMP Card', 'COM Port', and 'UPSMON PRO'. To the right of 'SNMP Card' is a text input field containing '192.168.001.254'. To the right of 'COM Port' is a dropdown menu showing '1'. To the right of 'UPSMON PRO' is a text input field containing '192.168.001.001'.

### 3. You should successfully see the UPS monitoring screens below:



## Section 3 - Shutdown Configuration

How to shutdown windows and UPS when power failure occurs:

### 1. Run Time Page

<input checked="" type="checkbox"/> Power failure windows shutdown delay (Sec)	300	(b1)
<input type="checkbox"/> Battery limited capacity shutdown (%)	30	(b2)
<input checked="" type="checkbox"/> Low battery shutdown		(b3)
<input type="checkbox"/> Execute Command File		(d)
C:\Documents and Settings\Owner\...		
Time to excute command file (sec)	60	
<input type="checkbox"/> Shutdown VMware Esxi		Setup
Windows Shutdown type	Shut down	(a)
<input checked="" type="checkbox"/> UPS shutdown delay (Min)	2	(c)
UPS start delay time (sec)	0	(e1)
UPS start delay battery capacity (%)	0	(e2)

### 2. Windows Shutdown Type (a)

- None:** No reaction for windows even blackout condition
- Shutdown:** Running out of the procedures to save the programs to hard disk
- Hibernate:** Power-saving state, puts open documents and programs on hard disk

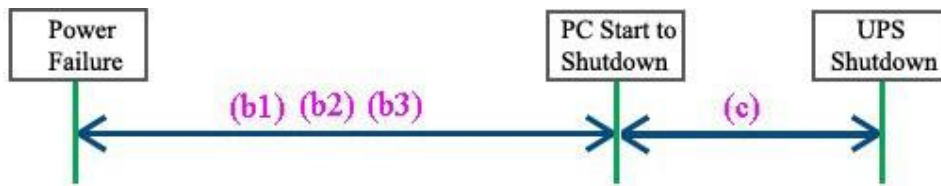
**3. Power Failure Windows Shutdown Delay (b1):** After this period of time runs out, windows start to shutdown.

**Battery Limited Capacity Shutdown (b2):** Once the battery is declining to this level, windows start to shutdown.

**Low Battery Shutdown (b3):** If the battery is low, the windows shutdown.

If any of the (b1,2,3) item-conditions are fulfilled, UPSMON will shutdown windows or hibernate.

4. **UPS Shutdown Delay (c):** Duration to completely shutdown the computer.



5. **Execute Command File (d):** when (b1) seconds runs out, UPSMON will start to act your designated command.

a. **Time to Execute Command File:** The command has a few more seconds to run before the UPSMON commits to shutdown windows.

6. **UPS Start Delay Time (e1):** To charge more power, the UPS will delay its power supply.

UPS start battery capacity (e2): To charge more power, the UPS will supply power when the battery reaches this capacity %

Only when both (e1, 2) item-conditions are fulfilled, the UPS will supply power.

## Section 4 – Email Notification

To deliver an active email notification:

1. **Notification Page**

2. **Enter your SMTP Mail server information**

(ex: SMTP Server, Username, Port, Authentication, Sender's mail, Receiver's mail)

**NOTE: This feature requires your e-mail account support SMTP Server**

3. **Mail Test:** Test the email configuration.

4. **Daily Report:** Sends a daily report summary of the UPS output power (Watts).

SMTP Server	<input type="text"/>	User Name	<input type="text"/>
<input checked="" type="checkbox"/> Using Secure Password Authentication	<input type="password" value="*****"/>		
Port	<input type="text" value="465"/>	<input checked="" type="radio"/> Table Format	<input type="radio"/> Text Format
Sender E-Mail Address	<input type="text"/>		
Send To	<input type="text" value="info@marathon-power.com"/>		
<input type="button" value="Mail Test"/>	<input checked="" type="checkbox"/> Daily Report		
<input checked="" type="checkbox"/> Popup Message Notification			

## Section 5 – UPS Control

### 1. UPS Control Page

Battery Test Function		
Quick Battery Test	30	Execute
UPS Function Setting		
Manual Bypass		
Parameter	OFF	Execute
<input type="checkbox"/> Enable Green Mode		
<input checked="" type="radio"/> Green Mode ON		
<input type="radio"/> Green Mode OFF		
<input type="checkbox"/> Enable Power Failure UPS Sound		
<input type="radio"/> Sound ON		
<input type="radio"/> Sound OFF		
<input type="radio"/> Sound OFF		
From	上午 10:00:0	To 下午 08:00:0

### 2. Battery Test Function

- Quick Battery Test: UPS switch its power from battery.
- Battery Test for Specific Time: Exhaust battery power for this period of time.
- Test for Specific Battery Level: Exhaust battery capacity to this battery level.
- Deep Battery Test: Exhaust battery to low condition.
- Cancel Test: Stop battery testing

3. **UPS Function Setting:** Select the UPS function. Select the corresponding parameter options. Press Execute to set the selected function.

#### 4. Green Mode:

**ON:** The UPS automatically turns off power if the load is low.

**OFF:** UPS will sustain the power to its limit.

5. **Power Failure UPS Sound:** Turn alarm on or off as needed.



## Section 6 – Historical Event

Displays all UPS events that have taken place.

Event Date Time	Event Description
2017/6/13 03:37:49	UPS Shutdown
2017/6/13 03:35:49	System Shutdown
2017/6/13 03:31:28	Connection Error
2017/6/13 03:30:51	Power Failure
2017/6/13 03:23:31	UPS Bypass Recover
2017/6/13 03:22:35	UPS Bypass
2017/6/13 02:49:26	Pro Connection Restore
2017/6/13 02:39:01	Pro Connection Error
2017/6/13 02:09:31	UPS Bypass Recover
2017/6/13 02:09:12	UPS Bypass
2017/6/13 02:08:54	Power Restore
2017/6/13 02:08:33	Power Failure
2017/6/13 02:08:12	Battery Normal
2017/6/13 02:08:01	UPS Self Test
2017/6/13 02:07:43	Battery Normal

## Section 7 – Record Viewer

### Record Viewer Page

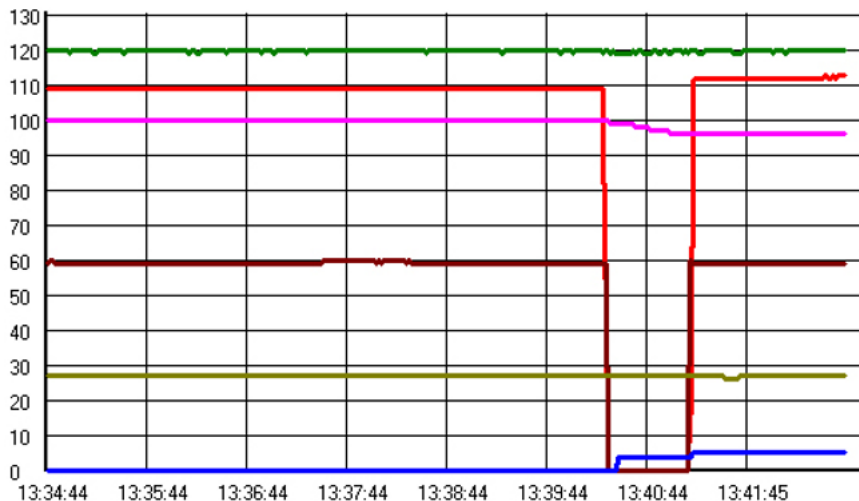
Records and actively shows UPS information: I/P Voltage, I/P Frequency, O/P Voltage, Battery Level, Load, and Temperature.

Check up the historical data by calendar (Upper Right Corner).

Record Interval Time (Sec) 1 2017 6 14

I/P Voltage [V]  O/P Voltage [V]  Temperature [C]

I/P Frequency [Hz]  Load Level [%]  Battery Level [%]



## Section 8 – Outlets Control

1. Outlets – Control Page
2. Turn ON/OFF the outlets power at once.
3. Set up the UPS-Outlet shutdown sequence for blackout condition.

**NOTE: This feature requires the specific UPS to support.**

Enable Outlet Control

Outlet 1       Outlet 2

Master Outlet        Outlet 1

Slave Outlet Setting

Power failure windows shutdown delay (Sec)

Battery limited capacity shutdown (%)

Low battery shutdown

UPS shutdown delay (Min)

## Section 9 – UPS Schedule

**Supports automatic UPS OFF / ON / Battery self-test.**

1. Schedule Page
2. Recurrence & Occurrences: Once / Daily / Weekly / Monthly
3. Event: UPS shutdown / ups start / battery test

2017						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Recurrence	Occurrences	Event1	Time1	Event2	Time2	
Daily	Every day	UPS Shutdow	19:00	UPS Started	08:00	Add

NO.	Recurrence	Occurrences	Event1	Time1	Event2	Time2
1	Daily	Every day	UPS Shutdown	19:00	UPS Started	08:00

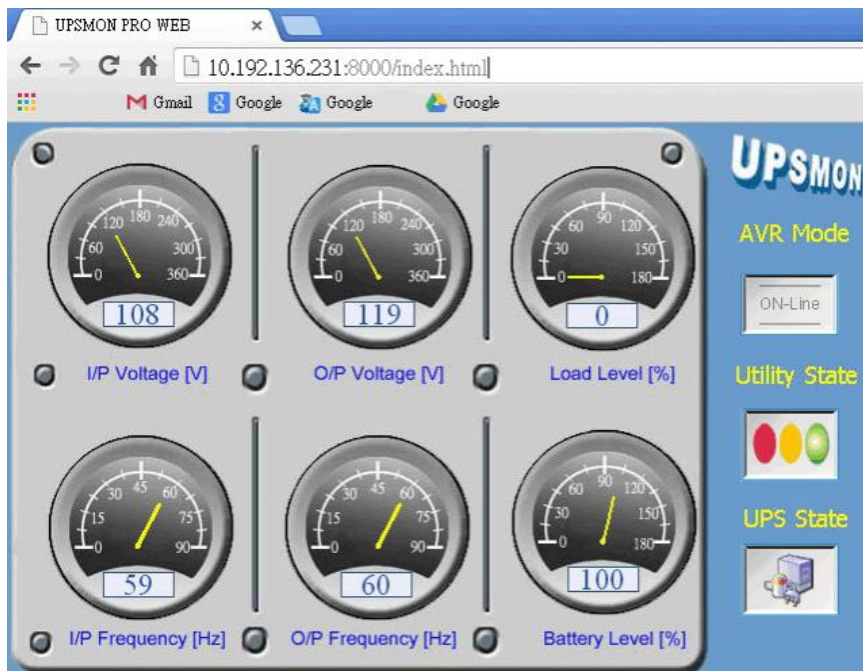
4. In UPS shutdown, all the UPSMON-Slaves will execute OS shutdown 30 seconds before UPSMON-Master.

**NOTE: UPS shutdown must be before UPS start.**

5. Check the last UPS schedule for the current status.

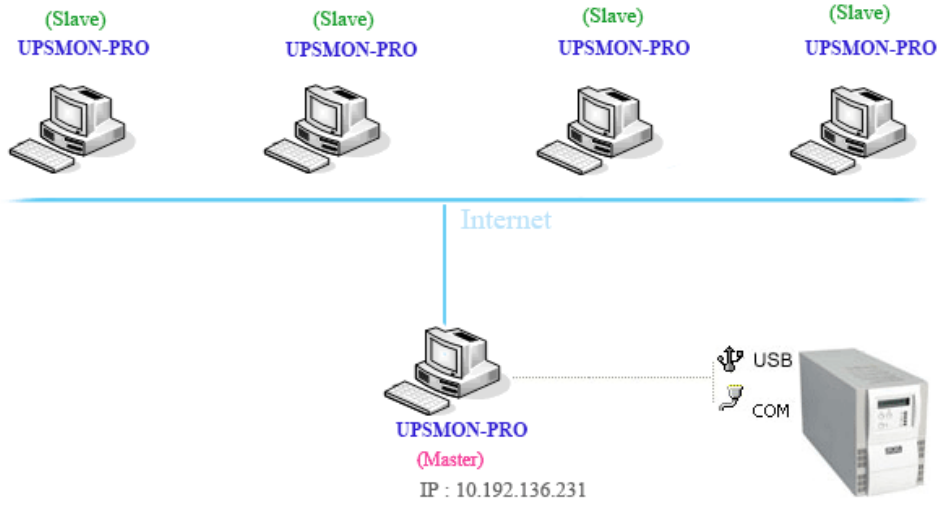
	UPS Shutdown	2017/6/14 19 : 00
	UPS Started	2017/6/15 08 : 00

6. Monthly example: Monthly recurrent schedule.



- a. Will shut down windows and UPS output power at 20:00 every 7th
- b. Starts UPS output power at 07:00 every 10th
- c. Will shut down windows and UPS output power at 20:00 every 14th
- d. Starts UPS output power at 07:00 every 17th

## Section 10 - Multi OS Connect and Shutdown



The UPSMON PRO can play the role as Master or Slave.

1. UPSMON PRO Master: Connect (RS232 / USB) with UPS

==> Master can share UPS information to other Slaves

==> EX: IP 10.192.136.231 (Master PC IP address)

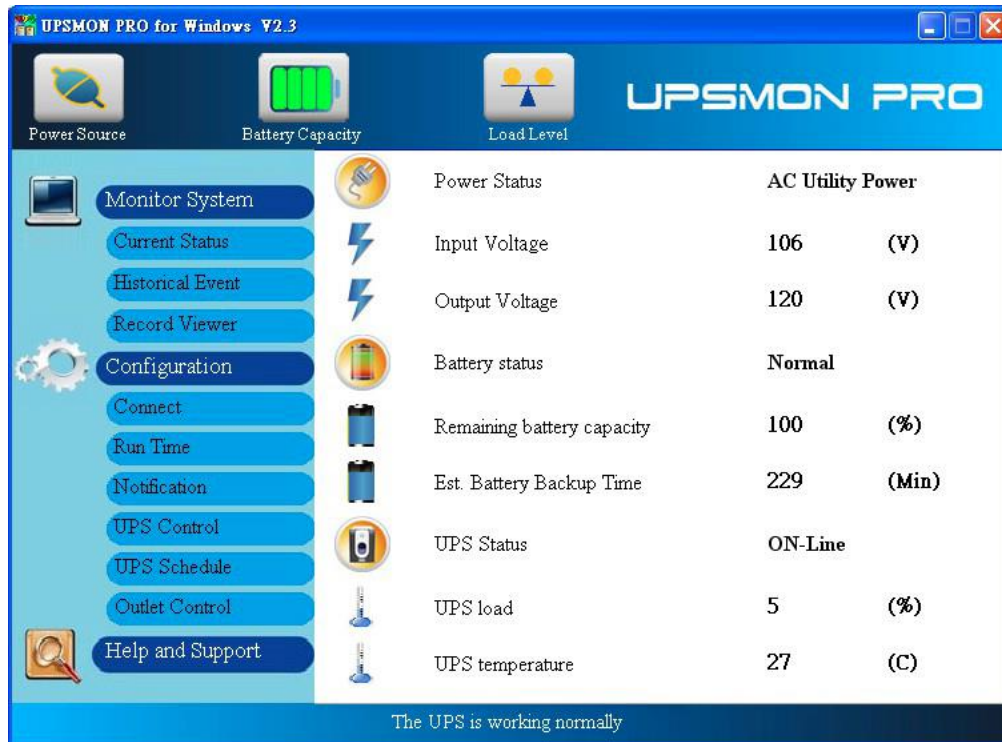
2. UPSMON PRO Slave: Get the UPS information from UPSMON PRO Master via internet or intranet.

==> Other PC's with UPSMON PRO installed, can receive the UPS status from UPSMON PRO Master.

EX: UPSMON PRO Windows / Connect Page / UPSMON PRO: 10.192.136.231

<input type="radio"/> USB	
<input type="radio"/> SNMP Card	<input type="text" value="192.168.001.254"/>
<input type="radio"/> COM Port	<input type="text" value="1"/>
<input checked="" type="radio"/> UPSMON PRO	<input type="text" value="010.192.136.231"/>

The UPS is connected.



## EX: UPSMON PRO Linux

==> Execute the UPSMON-PRO-for-Linux application: `./upsmmon`

==> Choose UPSMON-PRO (4) with Master IP address

==> UPSMON: Start Monitor ==> Connection is successful

```
root@dinow-System-Product-Name: /usr/dinow/UPSMON_PRO_for_Linux
File Edit View Search Terminal Help

root@dinow-System-Product-Name: /usr/dinow/UPSMON_PRO_for_Linux# ./upsmmon
a. What is the UPS connection: 1.RS232 2.USB 3.SNMP-Card 4.UPSMON-PRO : 4
b. The IP address of UPSMON-PRO : 10.192.136.231
c. Seconds of OS shutdown delay (default : 120) : 180
d. Would you need to reset (N or y) :

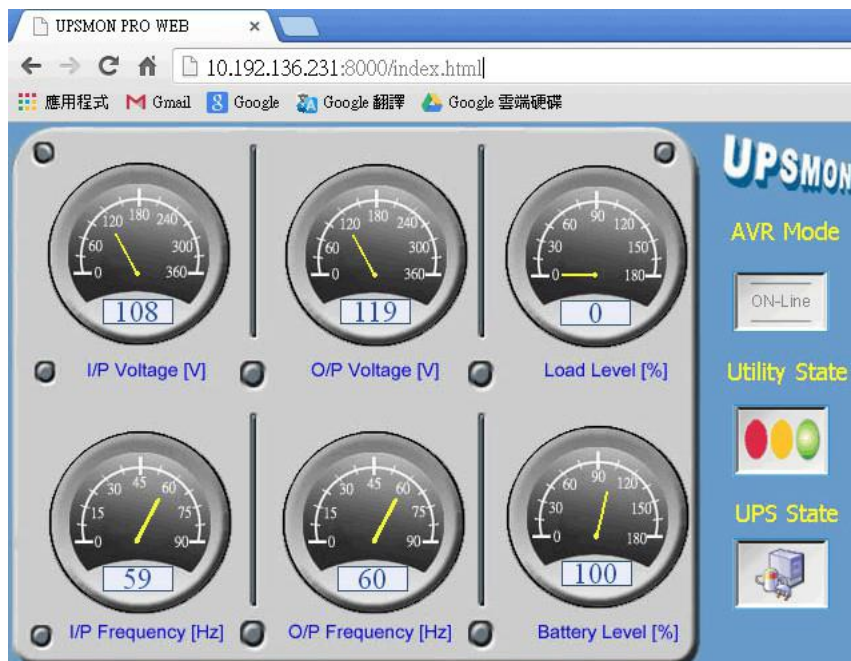
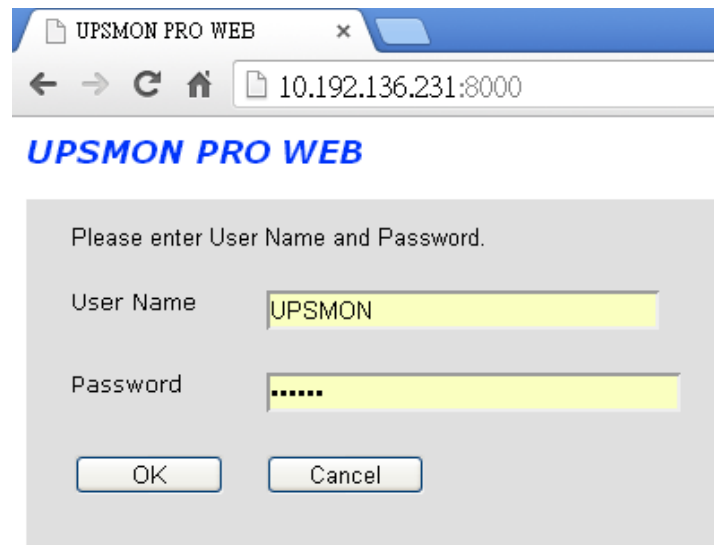
root@dinow-System-Product-Name: /usr/dinow/UPSMON_PRO_for_Linux# UPSMON : UPSMON Start
root@dinow-System-Product-Name: /usr/dinow/UPSMON_PRO_for_Linux# UPSMON : Start Monitor
root@dinow-System-Product-Name: /usr/dinow/UPSMON_PRO_for_Linux#
root@dinow-System-Product-Name: /usr/dinow/UPSMON_PRO_for_Linux#
```

## Section 11 – Web Portal

UPS remotely monitoring via browser.

1. Connect Page
2. Enable Web Server UPSMON Function
3. IP Address: Make sure this Windows has a IP address (ex: 10.192.136.231)
4. Port: 8000 (default)
5. Username: UPSMON (default)
6. Password: UPSMON (default)

**NOTE: This feature requires windows with a connectable IP address.**



## **Section 12 - Windows Auto Startup**

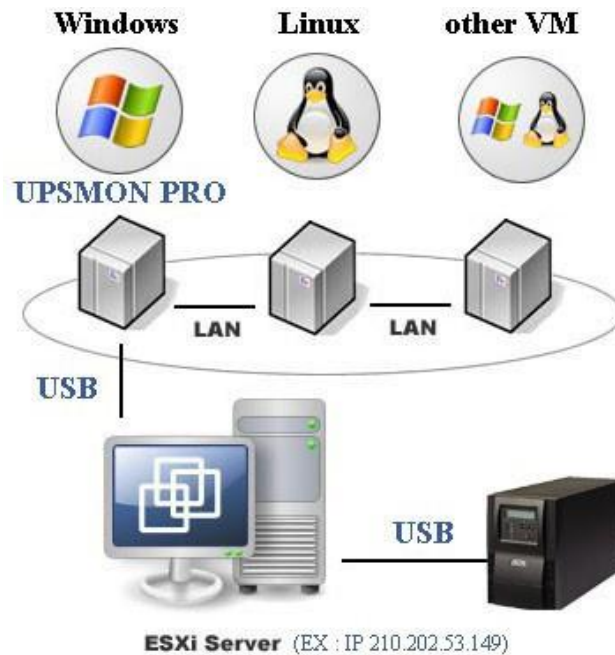
Below configuration will assist with auto startup windows when power is restored.

1. PC Restart
2. When the PC brand logo screen appears, press correct key on your keyboard to open to the BIOS Setup window (For general PCs, press the delete key)
3. Use arrow keys on the keyboard to select the correct power option
4. Select the correct setting to enable PC power always on. For general PCs, use your arrow keys to Enable "Restore on AC Power Loss"
5. Save your changes

**NOTE: Each PC varies in how to enter and make changes to the BIOS settings.**



## Section 13 – VMWare Support



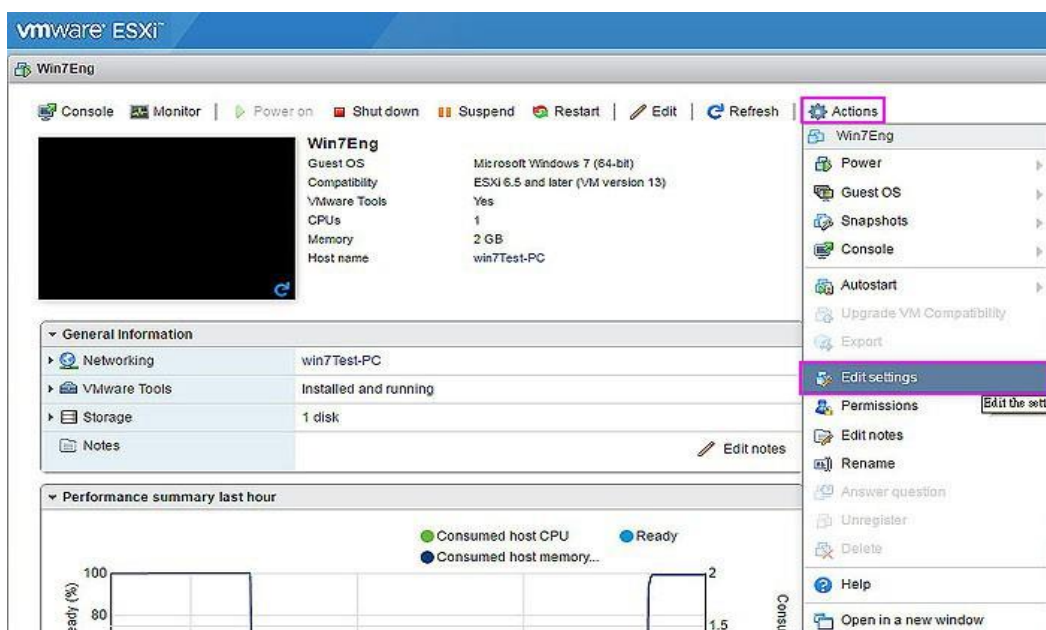
### Get UPS Monitoring On VMWare-Windows

1. VMWare-Windows UPSMON get UPS connection from **USB**

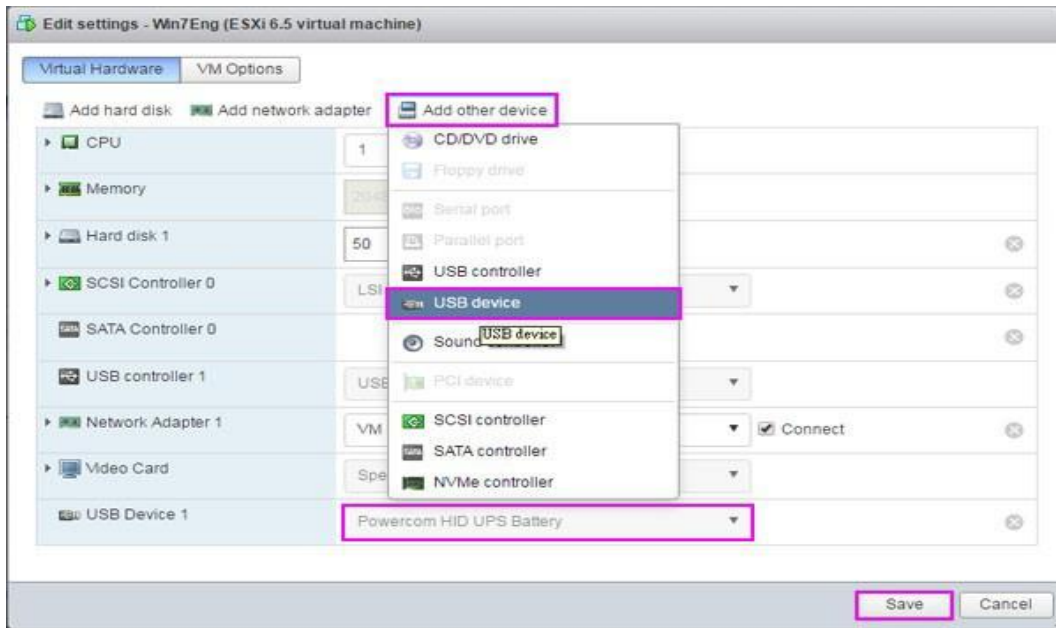
==> Start VMWare ESXi

==> VMWare-Windows >> **Actions** >> **Edit settings**

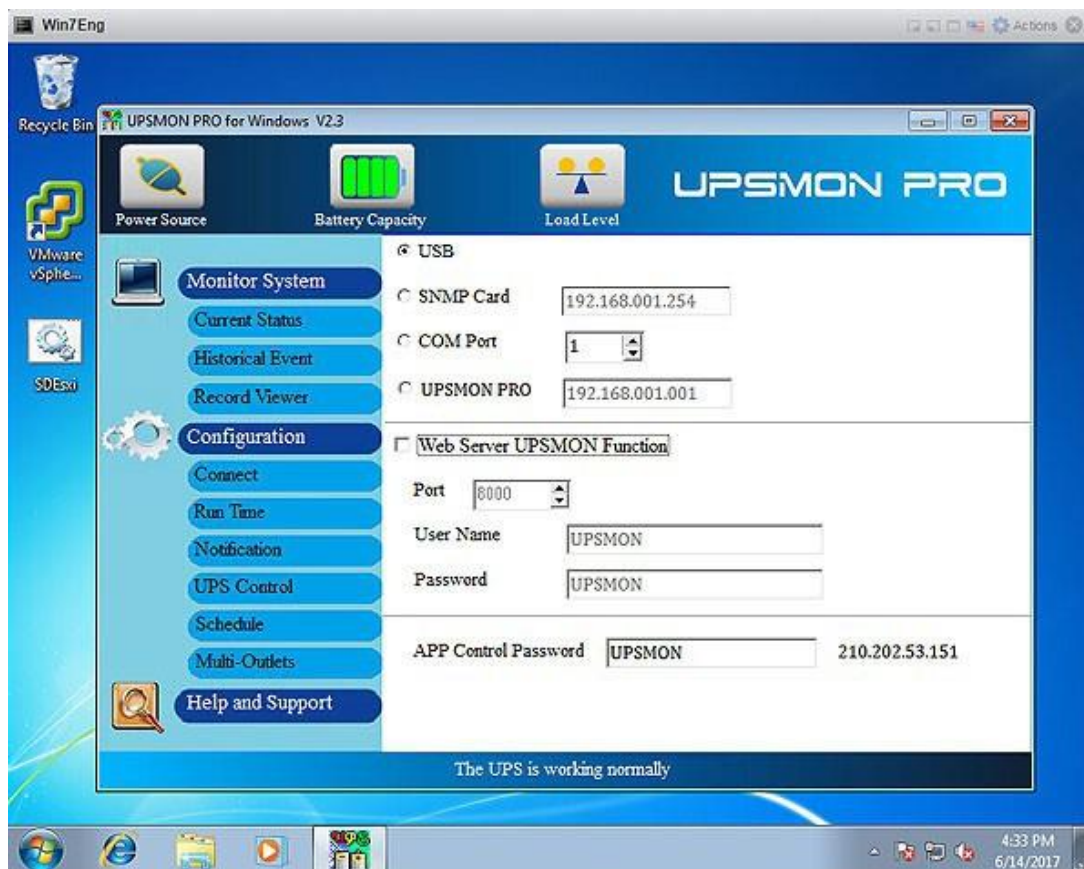
==> **Add other device** >> **USB device** >> **Powercom HID UPS Battery** >> **Save**



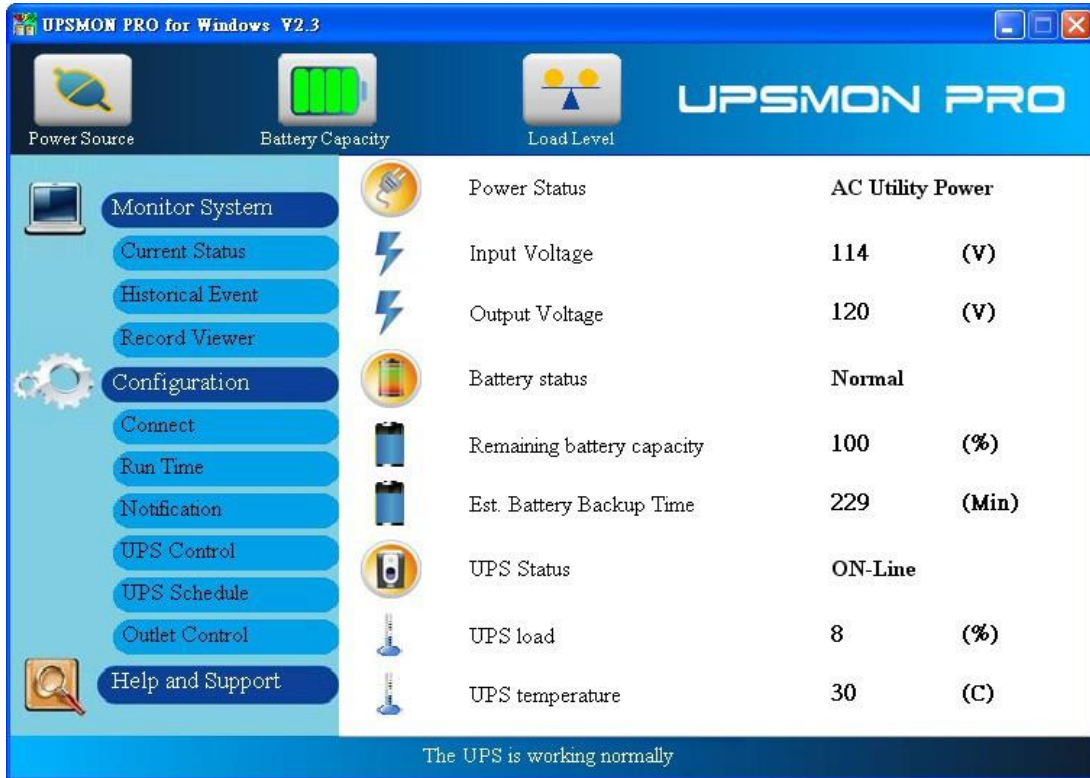




2. VMWare-Windows install UPSMON PRO and choose **USB** connection.



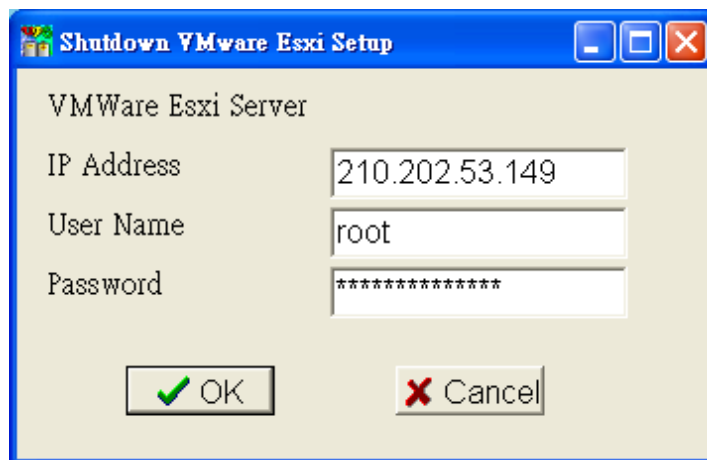
### 3. Successfully get UPS monitoring



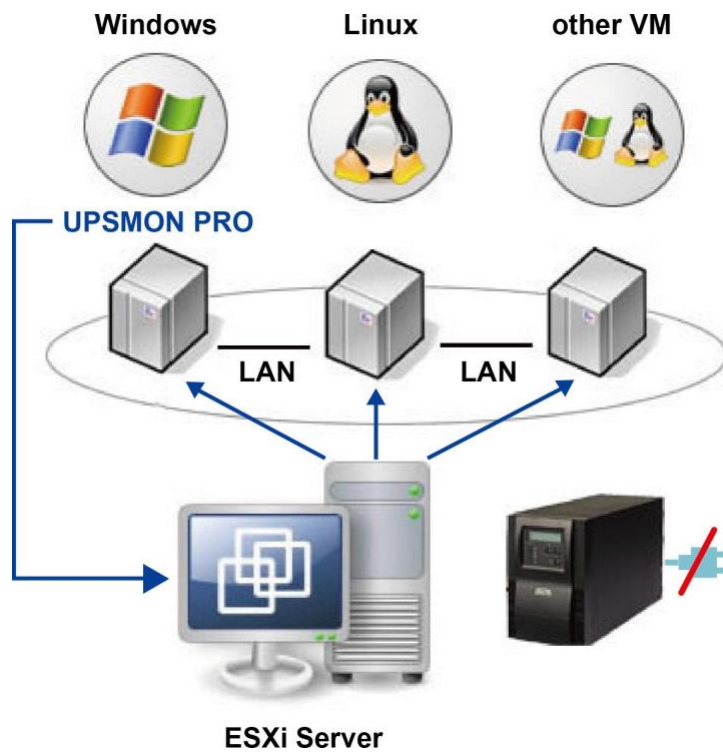
### 4. UPSMON PRO >> Run Time >> Shutdown VMWare Esxi (Enable) >> Setup



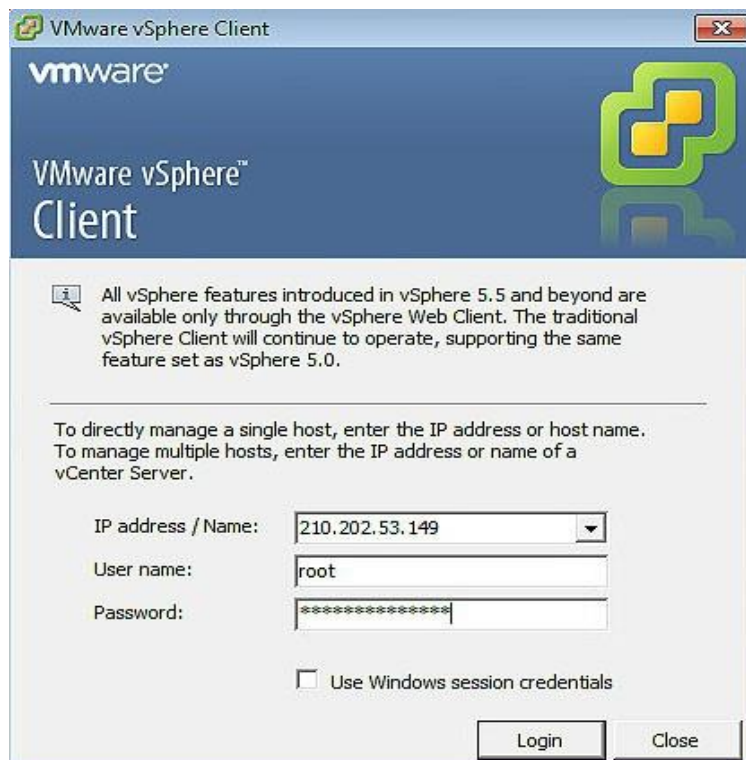
### 5. Filled in your VMWare Esxi IP / Username (administrator) / Password



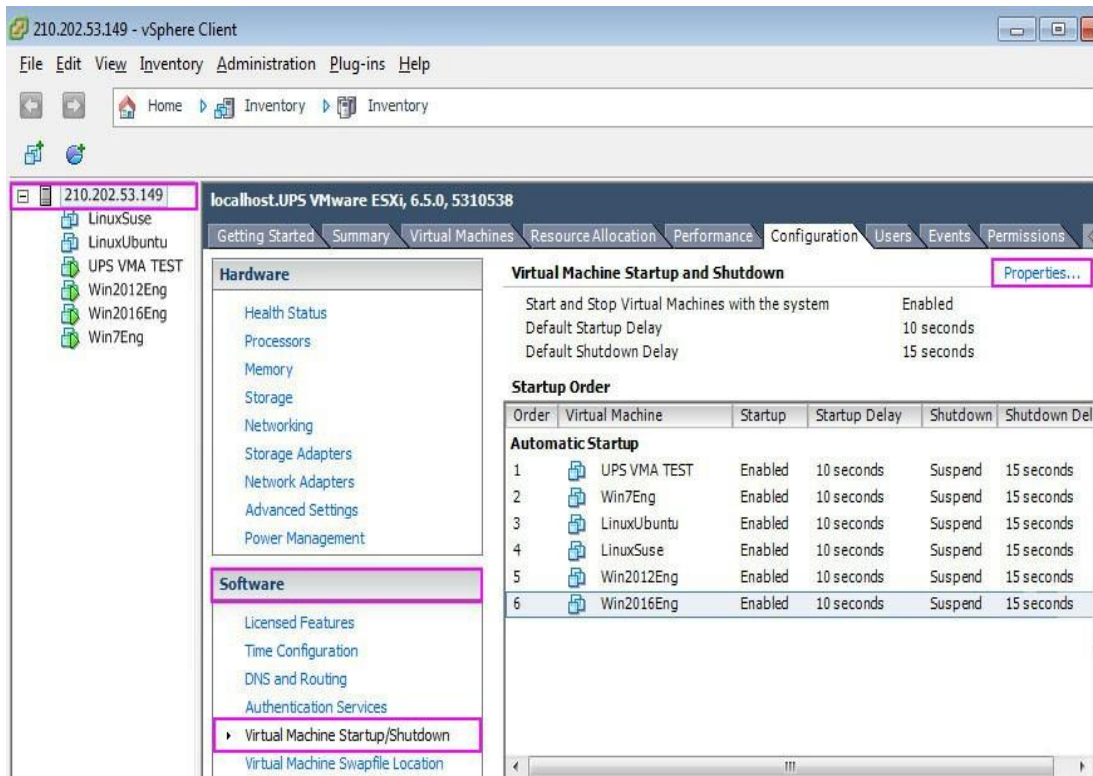
## VMWare OS Shutdown With Sequence Configuration



1. Install VMWare vSphere Client
2. Start VMWare vSphere Client and login to the VMWare Esxi

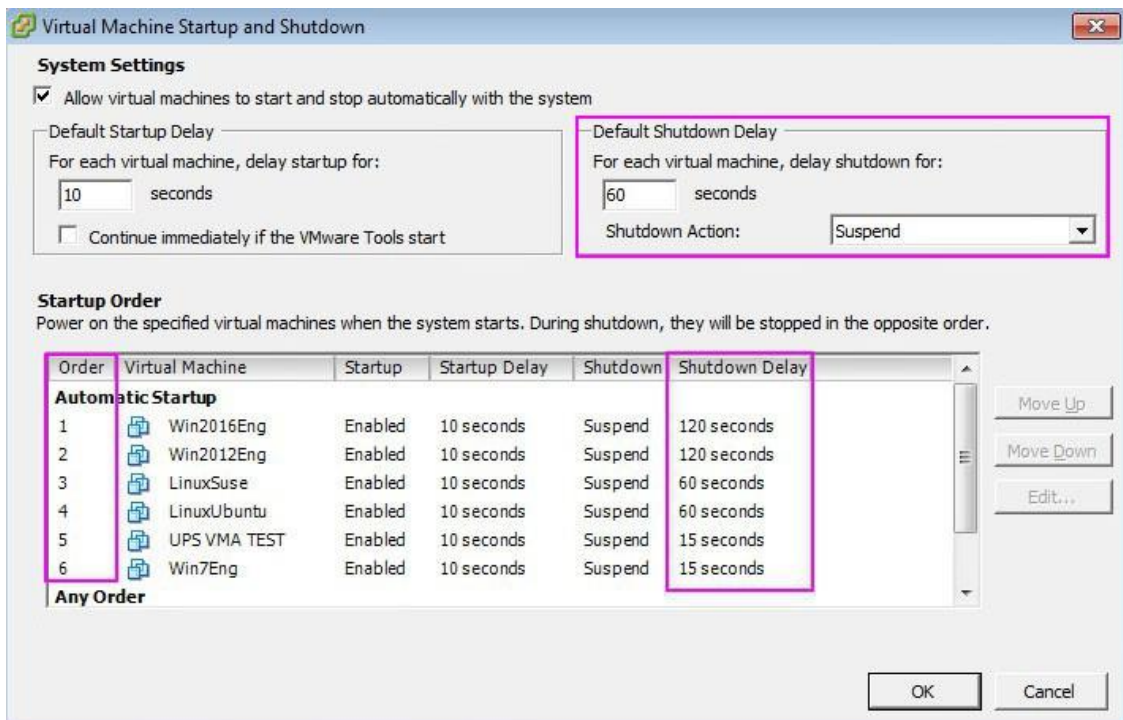


### 3. VMWare host >> Software >> Virtual Machine Startup / Shutdown >> Properties



4. This window allows setup:

shutdown type / shutdown delay / shutdown order / startup order



Ex: Above example: Win7Eng shutdown **first** / Win2016Eng shutdown **last**



## 5. Power failure and the VMWare shutdown as sequence

210.202.53.149 - vSphere Client

File Edit View Inventory Administration Plug-ins Help

Name	Target	Status	Details	Initiated by	Requested Start Ti...	Start Time
Suspend virtual machi...	Win2016Eng	22%		root	6/16/2017 9:38:30 PM	6/16/2017 9:38:30 PM
Suspend virtual machi...	Win2012Eng	62%		root	6/16/2017 9:38:15 PM	6/16/2017 9:38:15 PM
Suspend virtual machi...	LinuxSuse	45%		root	6/16/2017 9:38:00 PM	6/16/2017 9:38:00 PM
Suspend virtual machi...	LinuxUbuntu	Completed		root	6/16/2017 9:37:46 PM	6/16/2017 9:37:46 PM
Suspend virtual machi...	UPS VMA TEST	Completed		root	6/16/2017 9:37:31 PM	6/16/2017 9:37:31 PM
Suspend virtual machi...	Win7Eng	Completed		root	6/16/2017 9:37:16 PM	6/16/2017 9:37:16 PM
Auto powerOff	210.202.53.149	Completed		root	6/16/2017 9:37:16 PM	6/16/2017 9:37:16 PM
Initiate host shutdown	210.202.53.149	Completed		root	6/16/2017 9:37:16 PM	6/16/2017 9:37:16 PM



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