

Integrated Power Management for Microsoft Windows 7, Vista, and Windows server 2008, x86 & x64 (USB UPS Communication)

User documentation



Acknowledgements And Intellectual Property

EATON WOULD LIKE TO THANK MICROSOFT CORP. FOR INTEGRATING THE SUPPORT OF POWER DEVICE CLASS / USB ENABLED UPS'S IN MICROSOFT WINDOWS POWER MANAGEMENT.

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Introduction

This documentation applies to all computers running one of these operating systems : Microsoft Windows 7, 2008, Vista. These computers can be either Home PCs, servers, ... In the user documentation we will use « computer » as a generic term.

Using Integrated Power Management you have no software to install and the UPS is automatically recognized.

UPS Compatibility

EATON has tested the behavior of Windows Integrated Power Management with the following UPSs:

- Ellipse ASR
- Protection Center
- Pulsar Evolution
- Pulsar M

For other USB enabled EATON models, the behavior will be the same.

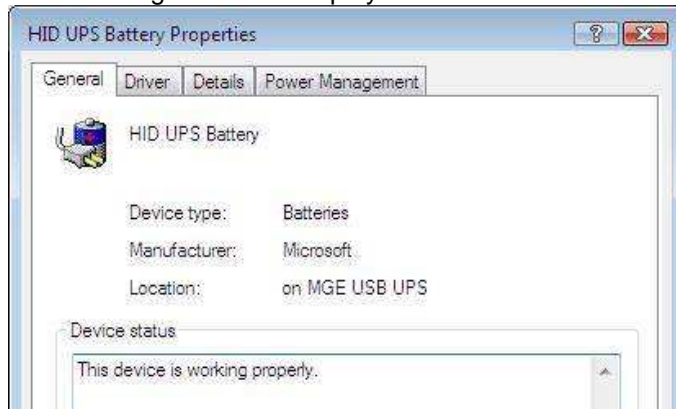
UPS Detection

When the EATON is connected to the computer using the USB cable, the new device is automatically displayed in the device manager as a "HID UPS Battery".

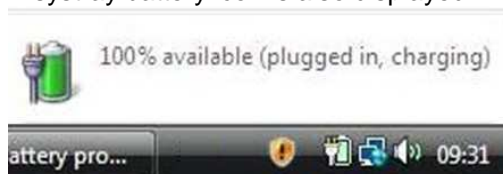
Start -> Computer -> (right click) Properties -> Device Manager



You can check that your EATON is correctly recognized by clicking on "HID UPS Battery". The following window is displayed:



A systray battery icon is also displayed in the taskbar.



The above part appears when the mouse pointer is over the battery icon of the systray.

Recommended settings:

Introduction:

We advise you to customize the shutdown threshold and the notification threshold. The default values are optimized for laptop batteries and you have to change these values to benefit from UPS features.

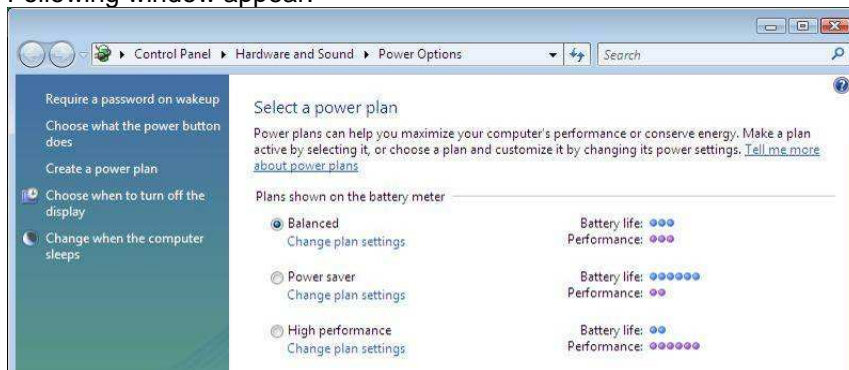
With these settings, you will be able:

- to define the shutdown of your computer during a utility failure. i.e. shutdown when the battery charge level passes under the selected threshold. This threshold will be defined to ensure enough autonomy duration in order to completely and properly shutdown your computer. (We advise 30%)
- to be warned when the battery is low (We advise 50%)

Configuration steps:

To perform these settings, please follow these steps:

- From the Battery Icon on Systray, perform a “right click” and select “Power Options”.
Following window appear:



- Select for example the “Balanced plan” and click on “Change plan settings”
Following window appear:



- In the above window, click on “Change advanced power settings”
From the “Advanced settings” Tab, expand “Battery” parameters and change the settings as recommended.



Settings values:

For a correct shutdown sequence we recommend following settings:

- Critical battery action -> On battery : (choose **Hibernate** or **Shut down**)
- Low battery level -> On battery : **50 %**
- Critical battery level -> On battery : **30 %**
- Low battery notification -> On battery : **On**
- Low battery action -> On battery : **Do nothing**

Known Limitations In The Shutdown Sequence:

- Computer “automatic startup” function is not implemented in this generic driver.
After the shutdown caused by a long utility failure and when utility is back, the computer does not restart automatically.
- Should you need additional features, you can install “Personal Solution Pac” on your computer (Free download at <http://download.mgeops.com>)