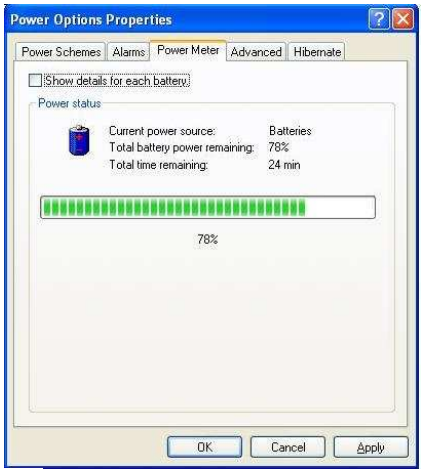
Integrated Power Management for Microsoft Windows 2000/XP/2003/2003 Storage (USB UPS Communication)

User documentation



Powering Business Worldwide

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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.

Introduction

This documentation applies to all computers running one of these operating systems: Microsoft Windows 2000 / XP / 2003 / 2003 storage server. These computers can be either Home PCs, servers, NAS servers … In the user documentation we will use « computer » as a generic term.
Using Integrated Power Management you have no software to install.

UPS Compatibility

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

- Ellipse ASR 600/750/1000/1500
- Protection Center
- Pulsar Evolution
- Pulsar Extreme C / Pulsar EX RT

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

NAS Servers particular case

The Power Management Feature is ideally suited for Network Attached Storage servers.

NAS manufacturers recommend:

- to avoid installing additional software on these servers running Microsoft Windows Storage Server 2003 Appliance Edition.
- to use UPSs to power the NAS server.

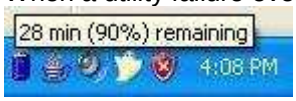
For these very reasons, USB Microsoft Integrated Power Management is the solution of choice.

EATON has successfully tested this behavior with Iomega NAS 400r Series - 640GB running Microsoft Windows Storage Server 2003 Appliance Edition.

UPS Detection

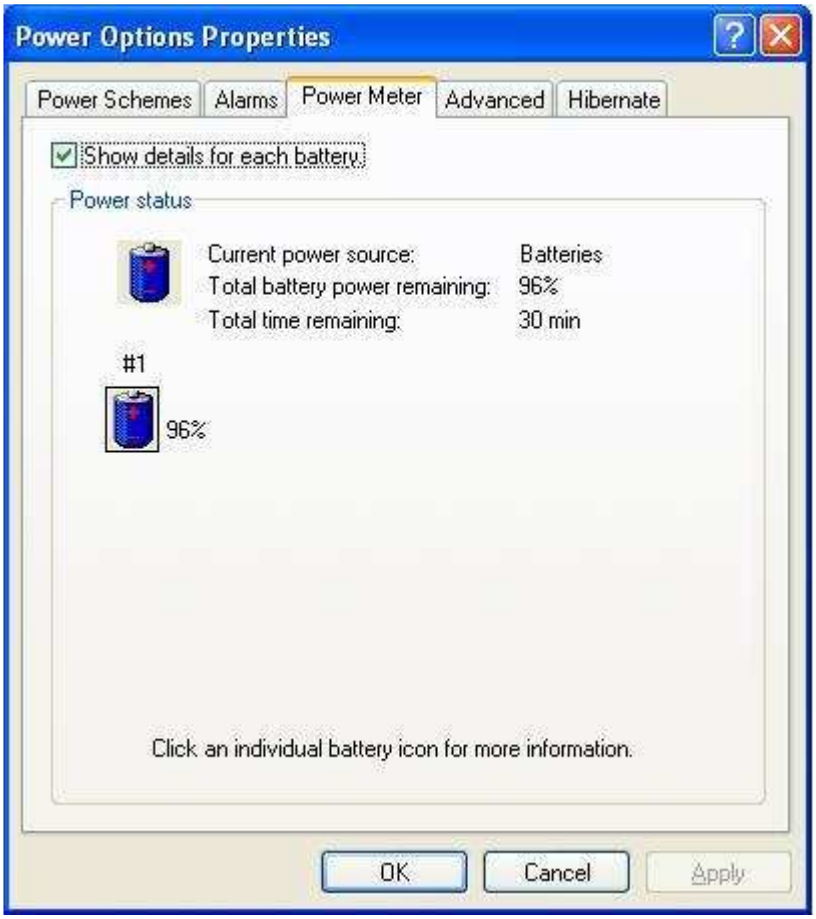
When plugging the EATON to the computer, the new device is automatically displayed in the device manager as a “HID UPS Battery”.

When a utility failure event occurs, a systray battery icon is displayed in the taskbar.



You can access the Microsoft generic driver settings through:
“Start -> Settings -> Control -> Power Options”.

The following window is displayed:



For example, you can configure the critical battery thresholds in the “Alarms” tab

By setting alarm battery levels and actions in the “Alarm” tab, you are 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.

Known Limitations In The Shutdown Sequence:

- Message notifications are not displayed
- 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