

Intelligent Power Manager Software Suite



Frequently Asked Questions

1. What software will Intelligent Power® Manager replace and when?

Intelligent Power Manager will replace Eaton's LanSafe®, PowerVision®, Enterprise Power Manager and Personal Solution-Pac and software by the year 2011.

2. What categories of information are available on Intelligent Power Manager about each UPS?

Intelligent Power Manager lists the UPS' IP addresses, description, location, owner or contact person, load level, battery capacity, battery runtime, load segments, serial number, load level, power source, outlet group, shutdown duration, upgrade status class, type/OS, access, link, user type and user node.

3. Can data be grouped?

Yes, data can be grouped by any of the categories listed above. For example, if grouping by location and owner, the total power consumption can be aggregated by a location or a name such that a billing can show which users are accountable only for power consumed.

4. Can I show an electrical diagram of my system?

Yes, a diagram called a synoptic can be built. The synoptic shows a block diagram of what is happening within the UPS, such as where the power is sourced (bypass, on battery or utility-supplied but going through rectifier and inverter) and whether the battery is charging.

5. Can I get a graphic view of my UPS locations?

Yes—there is a worldwide map available. Each UPS location and an indicator for the UPS status (red, yellow or green) can be shown on the map.

6. Can I see the status of my ePDU® outlets?

Yes, you can see the status of the outlets.

7. What attributes can be measured?

Input frequency, output frequency, input voltage, output voltage, Input current, output current can be measured as well as graphed.

8. Can you see historic trends?

Yes—graphs can be displayed with one or more measurements, and measurements can also be exported. Up to one year of data is stored.

9. What kinds of events can I be notified about?

You can receive notification about communication failure, low battery (alarm), communication restored, UPS output on or off, outlet groups on or off UPS fault, bypass/return to UPS and system powered by UPS or utility.

10. Can I configure groups of devices the same way to save time?

Yes, and this will also save quite a lot of time. You can group according to any category, such as location, owner, etc., or just select devices individually from the total list. As an example of grouping devices, you can set 10 UPSs you own by selecting them and then configuring all of them simultaneously. Firmware can also be upgraded to selected UPSs.

11. What kinds of media notifications can I receive?

You can get both e-mail and text messages.

12. Does Intelligent Power Software Suite come with a shutdown agent?

Yes—shutdown software, called Intelligent Power Protector, can be downloaded at no charge from the Eaton Power Quality web pages. Other shutdown agents such as LanSafe, NetWatch, Network Shutdown Module will be available through the end of 2011.

13. Will Intelligent Power Manager work with all Eaton UPSs?

Intelligent Power Manager works on all Eaton UPSs except the Eaton 3105, 5110, 5115 Tower and FERRUPS®.

14. Can the Intelligent Power Software Suite work in a Virtualized environment?

Intelligent Power Protector (shutdown software) will protect Microsoft's Hypervisors and will protect ESXi servers on VMware's virtual environment. Intelligent Power Manager integrates with both Microsoft's SCVMM (System Center Virtual Machine Manager) and VMware's vCenter. Host production servers can be shut down from IPM loaded onto either SCVMM or vCenter.

15. Can Intelligent Power Manager shut down servers in a cluster environment?

Yes, Intelligent Power Manager, when loaded on VMware's vCenter, can trigger virtual machine movement then can gracefully shut down the servers afterward. Prior to version 1.14, users loaded Intelligent Power Protector onto an ESXi server (on a virtual machine) but Protector moved back off the server when virtual machine movement was triggered. Now users can use Manager instead. The new version has Manager loaded on vCenter and does not require Protector on any of the host production servers.

16. Can Intelligent Power Software Suite be used without a network card?

To be able to monitor UPSs without network cards (like an Eaton 3105), you hook the USB between a PC and the UPS. You then load Intelligent Power Protector onto the PC and enable it as a controller. The UPS will then take the IP address of the PC. This UPS can be seen from any Intelligent Power Manager instance on the network.