

Energy Savings Summary of ENERGY STAR® Computer Specification



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Previous

Only focused on

- Sleep modes
- Power management features

Version 4.0 (effective July 20, 2007)

Now focuses on

- "Whole system" energy use, including the computer, its uses, and its components
- Efficiency savings across multiple operating modes (idle, sleep, and standby)
- Criteria for many different types of computers — notebooks, tablets, desktops, integrated systems, gaming consoles, desktop-derived servers, and work stations

POWER-SAVING MODES OF ENERGY STAR COMPUTER SPECIFICATION (VERSION 4.0)

Idle Mode

When the operating system has completed loading and only basic, default applications are running.

When computer is on and applications are loaded, but not open and active, minimum power consumption is now required.

Sleep Mode

When the computer enters a low-power state after a period of inactivity, but almost immediately resumes operation when turned back on.

More stringent power consumption levels are required in sleep mode.

Standby Mode

When the computer is shut down by the user but is still connected to a power source (outlet, active power strip).

Introduces stringent power consumption requirements.

ADDITIONAL EFFICIENCY FEATURES OF VERSION 4.0

Power Supply

Requires:

- Efficient internal power supplies in desktops
- ENERGY STAR qualified power adapters for laptops

Power Management

Computer ships with power management settings enabled, requiring:

- Monitor to enter sleep mode within 15 minutes of user inactivity
- System to enter sleep mode within 30 minutes of user inactivity
- Information on the benefits of power management