

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)

■ Power Used ■ Variable ■ Power Not Used

Note: Power use varies with computer type. Amounts shown are an estimate for illustrative purposes only

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.

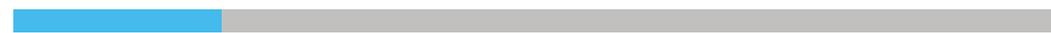


Power used in idle mode varies by type of computer.

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.

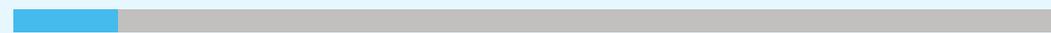


ENERGY STAR qualified computers enter sleep mode after 30 minutes of inactivity.

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.



Enter when user elects to "shut down" computer.

Unplugged



The computer uses no power only when it is unplugged or its power strip is turned off.

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