

Product Sheet

Personal Computers (system units)



Scope

Personal Computers (workstations, micro-computers, etc), including those with a monitor integrated into the same casing, in offices or in private households.

Personal Computers must be capable of being powered from a wall outlet or directly from the mains. This doesn't exclude computers that are capable of being powered also from a battery.

Personal Computers that are used exclusively as servers are not eligible for the GEEA *Label*. The models concerned must be available through the trade in Europe in the same configuration as indicated in the registration.

Criteria

Personal Computers (PC) are eligible for the GEEA-Label if the following criteria are met:

Category	Criteria	Criteria valid till*
All system units	The power consumption in the off mode is 5 W or less.	31.12.2002
	The delay time before the equipment switches into the sleep mode is 30 minutes or less.	31.12.2002
	The equipment must include one or more mechanism(s) to power down a GEEA-Label compliant monitor.	31.12.2002
Computer systems without integrated monitor	The power consumption in the sleep mode is 10 W or less**.	31.12.2002
Computer systems with integrated monitor	The power consumption in the sleep mode is 15 W or less**.	31.12.2002

* See Rules of Registration Procedure

** For the sleep mode: if rated power of power supply is more than 200 W, maximum power consumption in sleep mode is: <200-300]: 15 W, <300-350]: 20 W, <350-400]: 25W, >400: 10 % of maximum continuous output power rating (only classes according to Energy Star Label).

Compliance with the Energy Star MoU

The compliance with Energy Star can be indicated as follows (X = compliance):

Mode	Definition	Test Method	Criteria
Off		not defined for Energy Star	
Sleep	X	X	

Definitions and Test Method

Definition and test method for *sleep mode* are equal to actual Energy Star definition and test method (<http://www.epa.gov/appdstar/esoe/specpcmon.html>).

Definition off mode

Off mode	Operating mode in which the main switch of the computer is off.
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Test method off mode

To measure off mode power consumption the following steps have to be carried out:

1. The measurement conditions are equal to the measurement conditions for the sleep mode (see Energy Star test method).
2. Connect the computer under test to the mains and ensure that it is switched off.
3. Measure energy consumption in the off mode with a calibrated energymeter (watt-hour meter) over one (1) hour. Dividing the measured energy consumption by the time period over which it was measured will produce the average power consumption in Watts.
4. State the result in Watts (rounded off to the first digit after the decimal point).