



EPA ENERGY STAR Specification Updates

Una Song
EPA, ENERGY STAR®

ENERGY STAR Computer Spec V 5.0



- Effective July 1, 2009
- Uses a "typical energy consumption" approach (more holistic)
- Tightens up the power supply efficiency
- Promotes the use of proxy/offload networking to promote greater sleep adoption
- Introduces lab qualification requirements (raises the bar on verification and integrity)
- # of qualified products dropped from thousands to under 100 (slightly more for notebooks)

ENERGY STAR Imaging Spec V 1.1



- Effective July 1, 2009
- Ensured industrial products are not covered
- Added “High Performance” Ink Jet marking technology
- More stringent power levels
- Standby power of 1W for all OM products
- Revised some functional adders
- The spec provides more specific designations for Digital Front Ends (DFEs):
 - Type 1 – draws power from its own power supply
 - Type 2 – draws power from the power supply within the imaging equipment with which it operates.

ENERGY STAR Display Spec V 5.0



Name	Monitors v4.1	Displays v5.0 Tier 1	Displays v5.0 Tier 2
Lower Size Limit	12" diagonal	None	
Upper Size Limit	None	60" diagonal	
Displays with Tuners	Can qualify	Can qualify	Cannot qualify
Sleep Mode Power Requirements	2 Watts	2 Watts	1 Watt
Automatic Brightness Control	N/A	Credit Given for Displays with ABC	

Effective October 30, 2009 for displays <30" and January 30, 2010 for displays from 30–60". Tier II goes into effect October 2011

ENERGY STAR Battery Chargers



- Original specification effective January 1, 2006
- Updated specification being planned
 - DOE developing a new test procedure
 - ENERGY STAR levels will harmonize with California

Potential Savings



Product	Potential Savings
Computer	30 – 60%
Imaging	15%
Displays	23%
Battery Chargers	35%

Revisions/New Specs for 2010



New

- Enterprise Data Storage
- UPS
- Network Equipment for Data Center

Revisions

- Servers – Tier 2
- Audio/Video (finalize 2009/effective 2010)



Thank you

Una Song

US EPA - ENERGY STAR Product Labeling

song.una@epa.gov , 202-343-9024