

ENERGY STAR External Power Supplies AC-AC Product List

List Posted on February 02, 2011

*Power supplies with greater than or equal to 100W input power must have a true power factor of 0.9 or greater at 100% of rated load when tested at 115 volts @ 60Hz.

Company Name	Model	Nameplate AC Input Voltage (V)	Nameplate AC Input Frequency (Hz)	Nameplate Output Power (W)	Nameplate AC Output Voltage (VAC)	No-Load Input Power 115V @ 60Hz (w)	Average Active Efficiency 115V @ 60Hz (%)	True Power Factor at 100% of Rated Load (115V)*	No-Load Input Power 230V @ 50Hz (W)	Average Active Efficiency 230V @ 50Hz (%)
--------------	-------	--------------------------------	-----------------------------------	----------------------------	-----------------------------------	-------------------------------------	---	---	-------------------------------------	---

Key Efficiency Criteria		
Energy Efficiency Criteria for Ac-Ac and Ac-Dc External Power Supplies in Active Mode: Standard Models		
Nameplate Output Power (Pno)	Minimum Average Efficiency in Active Mode (expressed as a decimal)*	
0 to ≤ 1 watt	≥ 0.480 * Pno + 0.140	
> 1 to ≤ 49 watts	≥ [0.0626 * Ln (Pno)] + 0.622	
> 49 watts	≥ 0.870	
Energy Efficiency Criteria for Ac-Ac and Ac-Dc External Power Supplies in Active Mode: Low Voltage Models		
Nameplate Output Power (Pno)	Minimum Average Efficiency in Active Mode (expressed as a decimal)*	
0 to ≤ 1 watt	≥ 0.497 * Pno + 0.067	
> 1 to ≤ 49 watts	≥ [0.0750 * Ln (Pno)] + 0.561	
> 49 watts	≥ 0.860	
* "Ln" refers to the natural logarithm.		
Energy Consumption Criteria for No-Load		
Nameplate Output Power (Pno)	Maximum Power in No-Load	
	Ac-Ac EPS	Ac-Dc EPS
0 to < 50 watts	≤ 0.5 watts	≤ 0.3 watts
≥ 50 to ≤ 250 watts	≤ 0.5 watts	≤ 0.5 watts