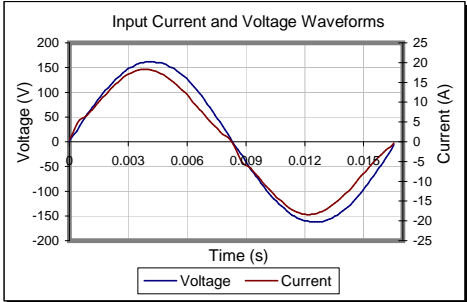


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.41%
AVERAGE EFFICIENCY :	84.49%
80 PLUS COMPLIANT:	YES



Ecos ID #	1613
Manufacturer	ULTRA PRODUCTS
Model Number	X4 1200W
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	9/1/2009

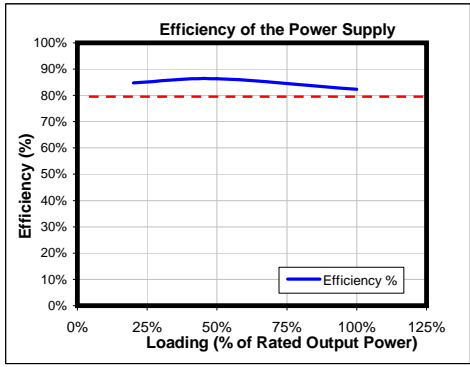
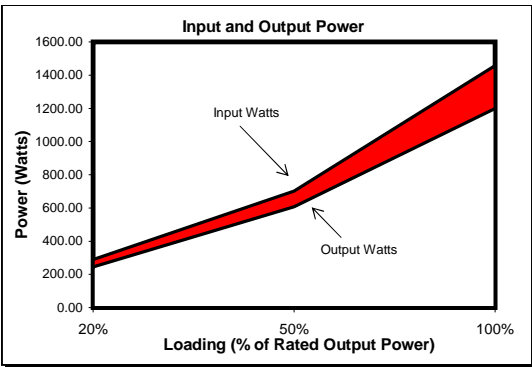


Input AC Current Waveform (ITHD = 7.02%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	15/8	Amps
Input Frequency	60/50	Hz
Rated Output Power	1200	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V) DC Load Current (A)				Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)					
2.61	0.9620	13.66%	20%	Light	288.90	12.2/16.9				244.92	84.78%
6.17	0.9892	7.02%	50%	Typical	702.50	12.1/42.2				607.06	86.41%
12.72	0.9954	4.91%	100%	Full	1457.70	12.2/84.3				1199.42	82.28%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.