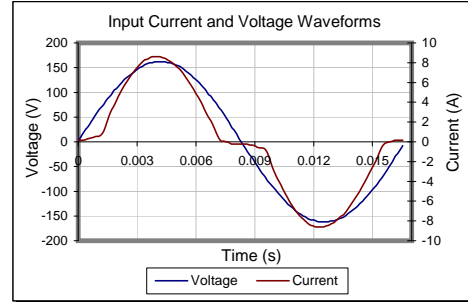


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.06%
AVERAGE EFFICIENCY :	84.54%
80 PLUS COMPLIANT:	YES



Ecos ID #	1171.1
Manufacturer	ULTRA PRODUCTS
Model Number	X4-500W
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	12/2/2008

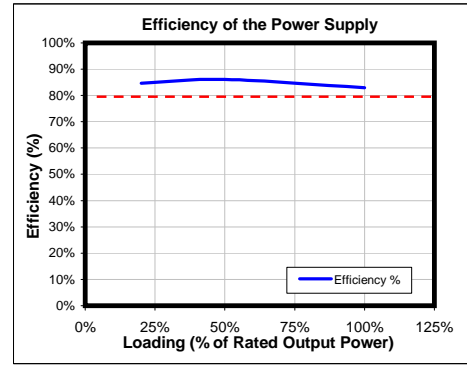
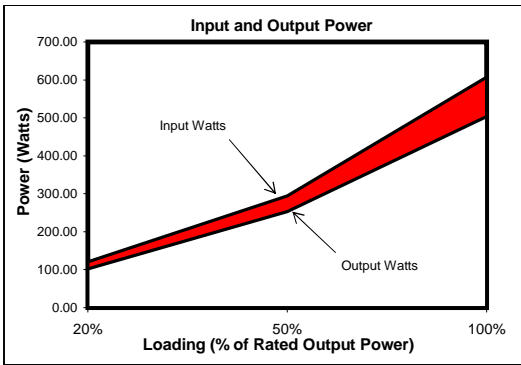


Input AC Current Waveform (ITHD = 31.44%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	10/6	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)					
1.09	0.9597	25.75%	20%	Light	120.46	12.2/6.8					
2.70	0.9475	31.44%	50%	Typical	294.32	12.2/16.8				101.99	84.66%
5.46	0.9667	24.96%	100%	Full	607.35	12.1/33.6				503.44	82.89%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

