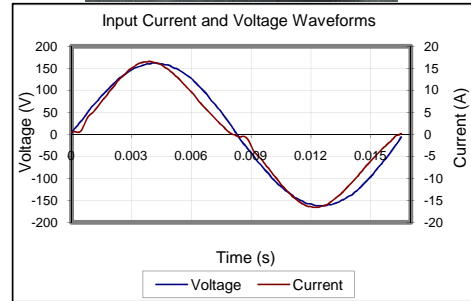


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	88.61%
AVERAGE EFFICIENCY :	87.03%
80 PLUS COMPLIANT:	YES



Ecos ID #	1703
Manufacturer	ULTRA PRODUCTS
Model Number	X4-1050W
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	10/5/2009

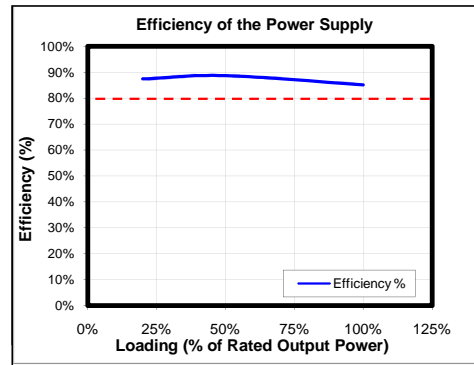
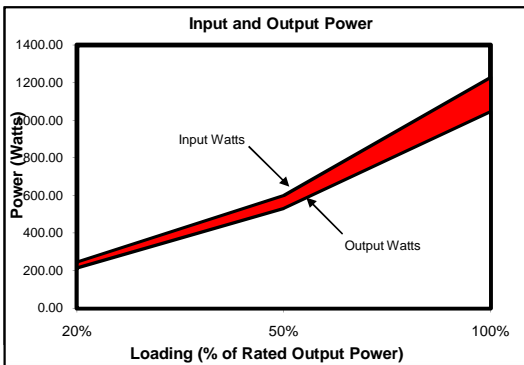


Input AC Current Waveform (ITHD = 13.39%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	14-7	Amps
Input Frequency	60/50	Hz
Rated Output Power	1050	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.)		-12V	3.3V	5V*			5VSB
2.22	0.9611	25.65%	20%	Light	246.00	12.3/14.5		11.8/0.1	3.3/3.4	5.1/4.2	5/0.6	214.95	87.38%
5.28	0.9890	13.39%	50%	Typical	600.10	12.2/36.3		11.8/0.2	3.2/8.4	5/10.5	5/1.4	531.77	88.61%
10.84	0.9894	12.70%	100%	Full	1229.50	12/72.5		11.9/0.5	3/16.8	4.9/21.1	4.9/2.9	1046.38	85.11%



These tests were conducted as a part 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 computing technology applications.



Tested by Electric Power Research Institute, Knoxville, TN.