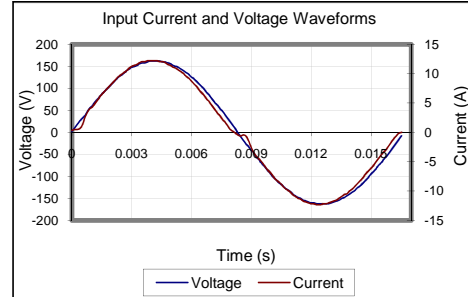


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	89.10%
AVERAGE EFFICIENCY :	87.06%
80 PLUS COMPLIANT:	YES



Ecos ID #	1704
Manufacturer	ULTRA PRODUCTS
Model Number	X4-850W
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	10/1/2009

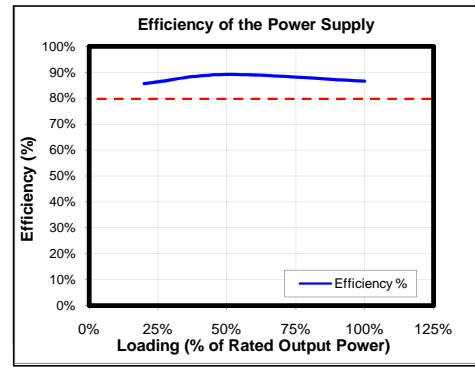
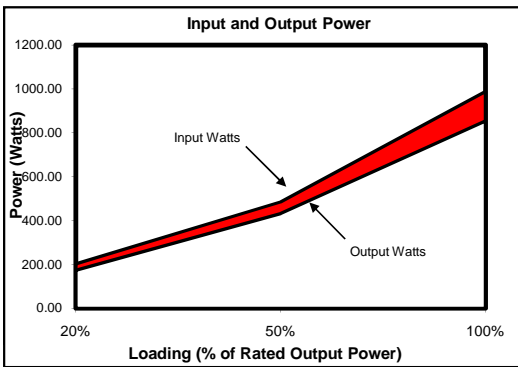


Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	6-12	Amps
Input Frequency	60/50	Hz
Rated Output Power	850	Watts

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

Input AC Current Waveform (ITHD = 11.61%, 50% Load)

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.)						
1.83	0.9658	23.72%	20%	Light	203.30	12.3/11.2						
4.25	0.9915	11.61%	50%	Typical	485.20	12.2/28.1				173.98	85.58%	
8.62	0.9976	5.89%	100%	Full	988.40	12.1/56.1				432.29	89.10%	
							-12V	3.3V	5V*	5VSB	855.04	86.51%



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 high-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

