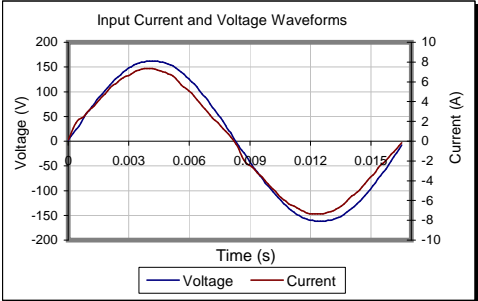


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.85%
AVERAGE EFFICIENCY :	84.14%
80 PLUS COMPLIANT:	YES



Ecos ID #	1392.1
Manufacturer	ACPC-ATHENA COMPUTER POWER CORP.
Model Number	AP-U1ATX50P8
Serial Number	N/A
Year	2009
Type	EPS1U
Test Date	4/21/2009

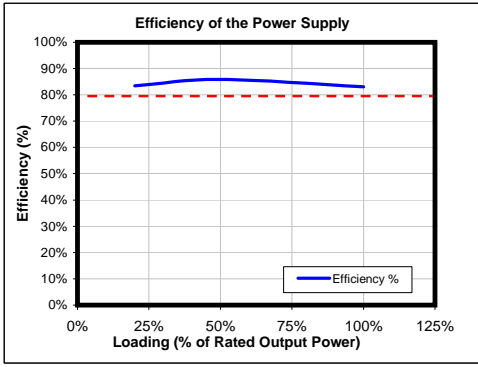
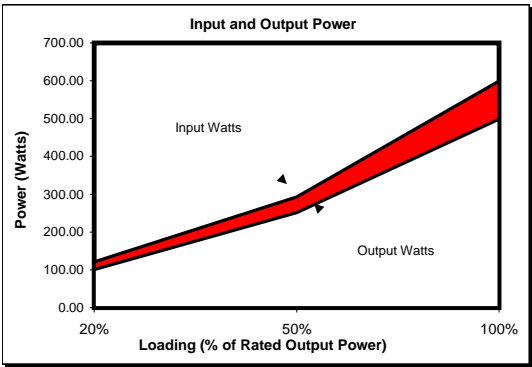


Input AC Current Waveform (ITHD = 3.83%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	60-50	Hz
Rated Output Power	500	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.)						
1.06	0.99	7.16%	20%	Light	121.18	12.1/6.3	11.7/0.1	3.3/2.5	5/2.5	5.1/0.4	101.13	83.45%
2.56	0.99	3.83%	50%	Typical	293.00	12.1/15.9	11.7/0.2	3.3/6.3	5/6.3	5.1/1	251.55	85.85%
5.22	1.00	3.17%	100%	Full	599.40	12/31.7	11.9/0.4	3.3/12.6	5/12.6	5/2	498.23	83.12%



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/>

