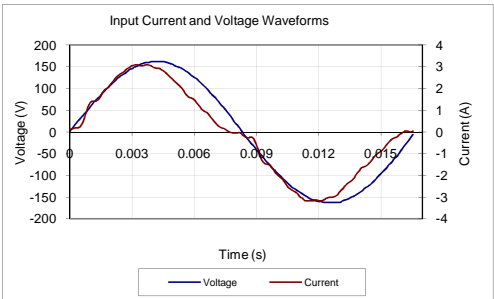


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.71%
AVERAGE EFFICIENCY :	85.26%
80 PLUS COMPLIANT:	YES



Ecos ID #	2711
Manufacturer	ACPC-Athena Computer Power Corp
Model Number	AP-TFX40
Serial Number	N/A
Year	2011
Type	TFX
Test Date	8/15/2011

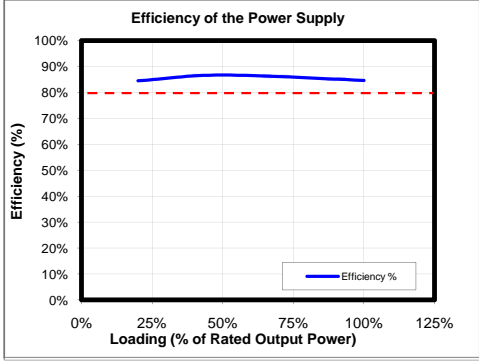
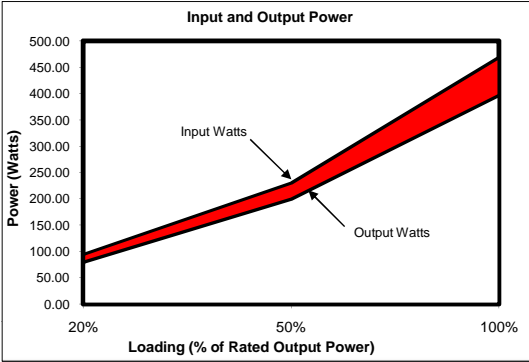


Rated Specifications	Value	Units
Input Voltage	88-264	Volts
Input Current	N/A	Amps
Input Frequency	N/A	Hz
<b>Rated Output Power</b>	<b>400</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 15.87%, 50% Load)

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.)	-12V	3.3V	5V			5Vsb
0.87	0.95	26.24%	20%	Light	94.55	11.8/5.3	11.8/0.1	3.3/1.6	5.2/1.8	5.1/0.4	79.86	84.46%
2.06	0.97	15.87%	50%	Typical	230.16	11.9/13.1	11.8/0.2	3.3/4	5.1/4.5	5.1/1	199.57	86.71%
4.12	0.99	9.10%	100%	Full	469.40	11.9/26.2	11.9/0.4	3.3/8	5/9	5/2	397.21	84.62%



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/>

