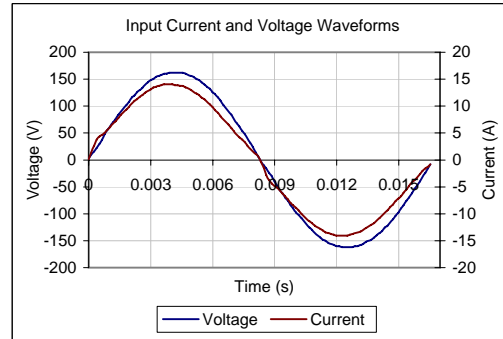


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.86%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.59%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	1271
<b>Manufacturer</b>	ATHENA COMPUTER POWER CORP.
<b>Model Number</b>	P4ATX90-95FEPC
<b>Serial Number</b>	00001601
<b>Year</b>	2009
<b>Type</b>	ATX12V & EPS12V
<b>Test Date</b>	1/20/2009

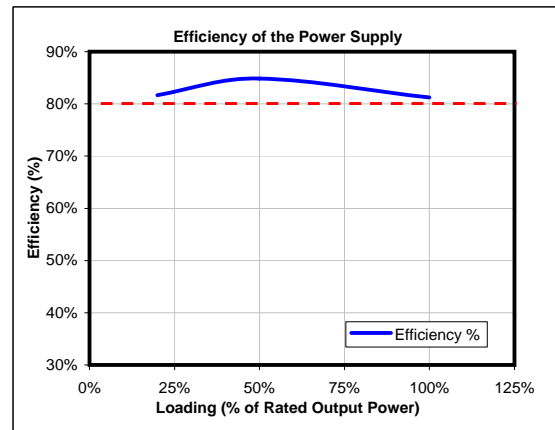
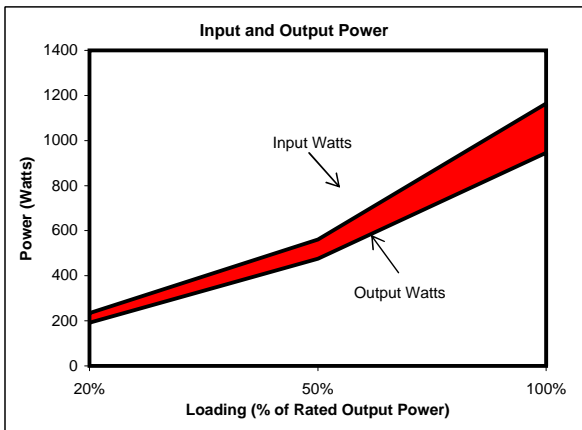


Input AC Current Waveform (ITHD = 7.77%, 50% Load)

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>950</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.)	-12V	3.3V	5V*	5VSB		
2.09	0.97	8.7%	20%	Light	234	12/12.9	11.3/0.1	3.4/3.6	5.1/3.6	5.2/0.9	191	81.66%
4.91	0.99	7.8%	50%	Typical	560	11.9/32.1	11.4/0.4	3.4/9.1	5.1/9.1	5.2/2.2	475	84.86%
10.13	1.00	3.9%	100%	Full	1164	11.9/64.1	11.5/0.7	3.4/18	5.1/18.1	5.1/4.5	945	81.24%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS<sup>®</sup> 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/>

