

80 PLUS Verification and Testing Report

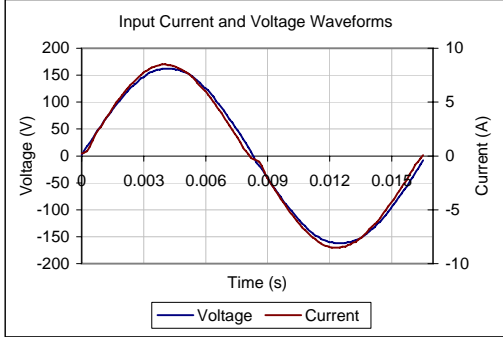
TYPICAL EFFICIENCY (50% Load):	84.06%
AVERAGE EFFICIENCY :	81.94%
80 PLUS COMPLIANT:	YES



Ecos ID #	1270
Manufacturer	ATHENA COMPUTER POWER CORP.
Model Number	MP4ATX47-55FEP
Serial Number	00001605
Year	2009
Type	ATX12V & EPS12V
Test Date	1/19/2009

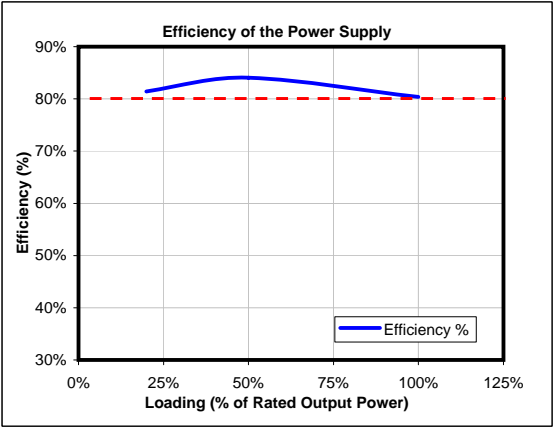
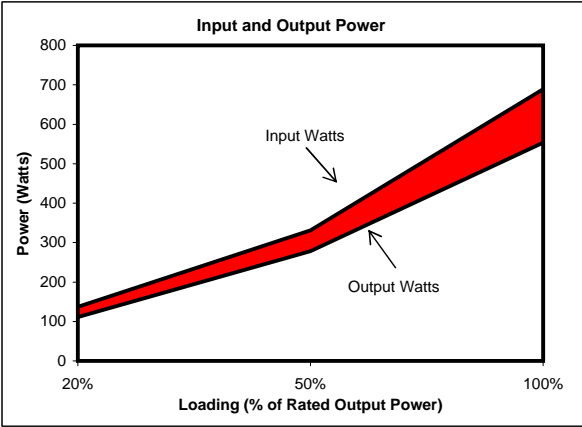
Rated Specifications	Value	Units
Input Voltage	88-264	Volts
Input Current	N/A	Amps
Input Frequency	N/A	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 9.53%, 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.)	-12V	3.3V	5V*	5VSB		
1.22	0.98	18.3%	20%	Light	137	12.2/6.4	12/0.1	3.3/3.3	5.1/3.2	5.2/0.8	111	81.42%
2.89	0.99	9.5%	50%	Typical	331	12.2/16.1	12/0.4	3.3/8.1	5/8.1	5.2/1.9	278	84.06%
5.99	1.00	4.5%	100%	Full	689	12.1/32.3	12/0.8	3.2/16.2	4.9/16.2	5.1/3.9	554	80.35%



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/>

