

80 PLUS Verification and Testing Report

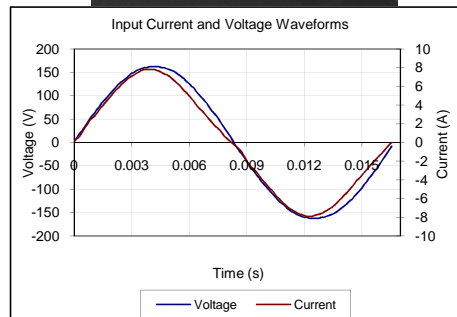
TYPICAL EFFICIENCY (50% Load):	85.40%
AVERAGE EFFICIENCY :	84.34%
80 PLUS COMPLIANT:	YES



Ecos ID #	1377
Manufacturer	PC POWER & COOLING
Model Number	SILENCER 500 EPS12V
Serial Number	5001A90581741
Year	2009
Type	ATX12V
Test Date	4/6/2009

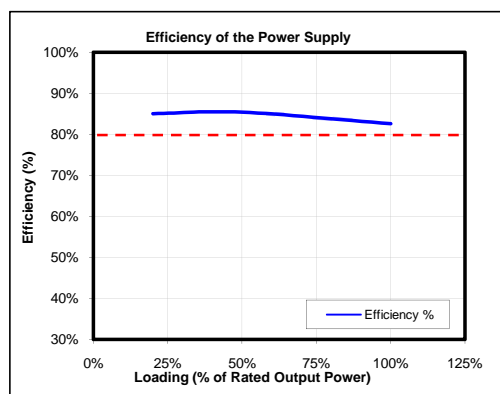
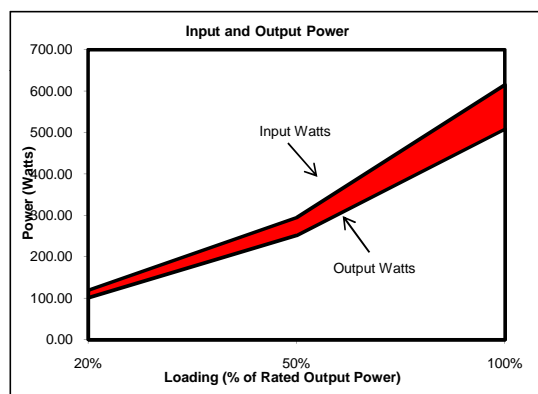
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 8.22%, 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		
1.05	0.9851	10.39%	20%	Light	119.11	8.1/6.1	11.4/0.1	3.4/2.7	5/2.7	5/0.4	101.28	85.03%
2.59	0.9911	8.22%	50%	Typical	294.80	8.1/15.3	11.4/0.3	3.4/6.8	5/6.8	5/1.1	251.75	85.40%
5.37	0.9961	6.78%	100%	Full	615.70	8.2/30.6	11.6/0.7	3.4/13.6	5/13.6	5/2.2	508.55	82.60%



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/>

