

80 PLUS Verification and Testing Report

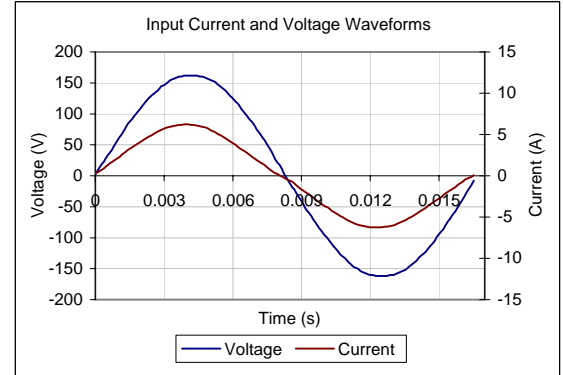


TYPICAL EFFICIENCY (50% Load):	83.96%
AVERAGE EFFICIENCY :	82.02%
80 PLUS COMPLIANT:	YES

Ecos ID #	403.1
Manufacturer	AEROCOOL
Model Number	EN53068
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	1/14/2008

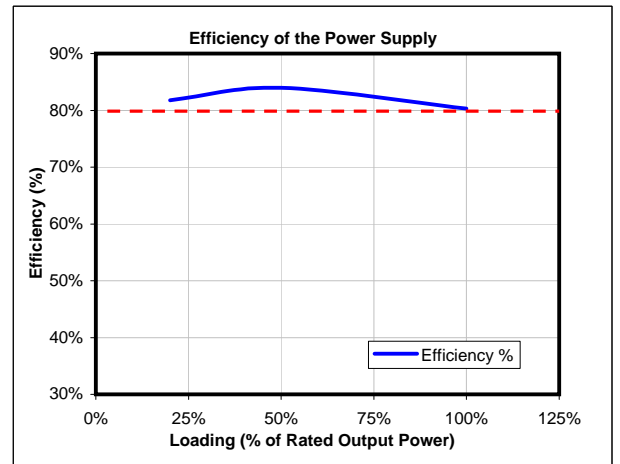
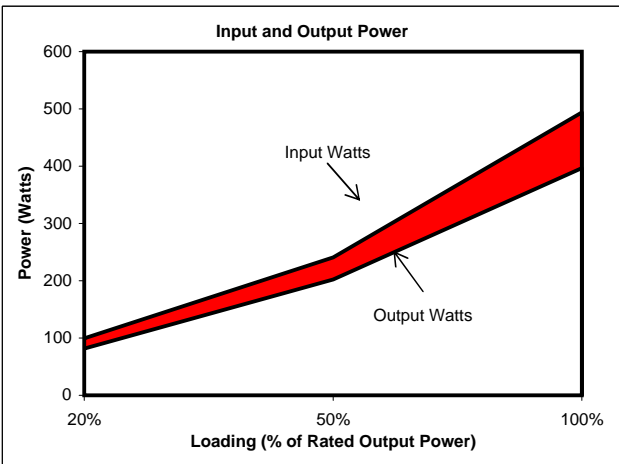
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50/60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 8.7%, 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		
0.88	0.98	9.9%	20%	Light	100	12.3/4.8	12.3/0.1	3.3/2.9	5.1/1.8	5.1/0.6	82	81.78%
2.11	0.99	8.7%	50%	Typical	241	12.2/12.1	12.4/0.1	3.2/7.2	5/4.5	5/1.5	202	83.96%
4.31	1.00	6.5%	100%	Full	494	12/24.1	12.6/0.3	3.1/14.4	5/9	4.9/3	397	80.32%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.