

80 PLUS Verification and Testing Report

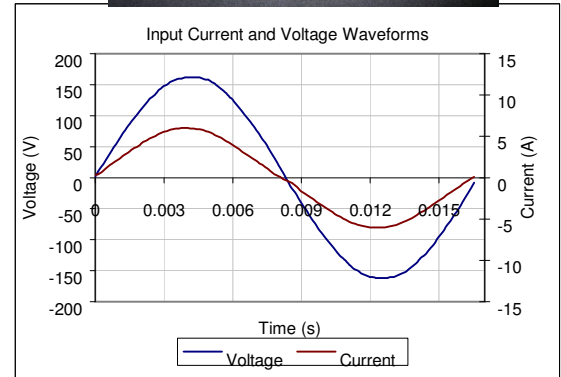
TYPICAL EFFICIENCY (50% Load):	86.11%
AVERAGE EFFICIENCY :	84.28%
80 PLUS COMPLIANT:	YES



Ecos ID #	900
Manufacturer	AMA Precision INC.
Model Number	AA400U-C
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	9/16/2008

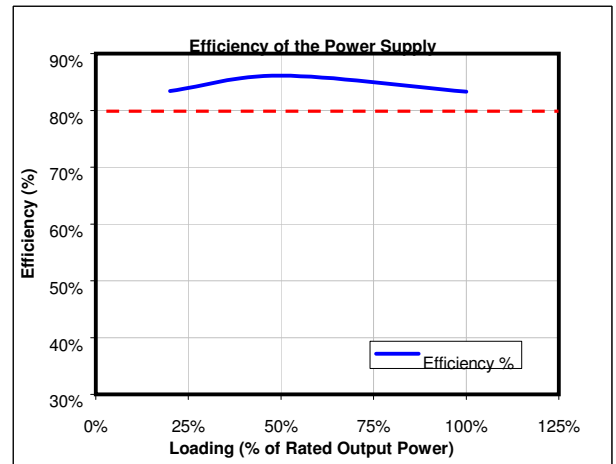
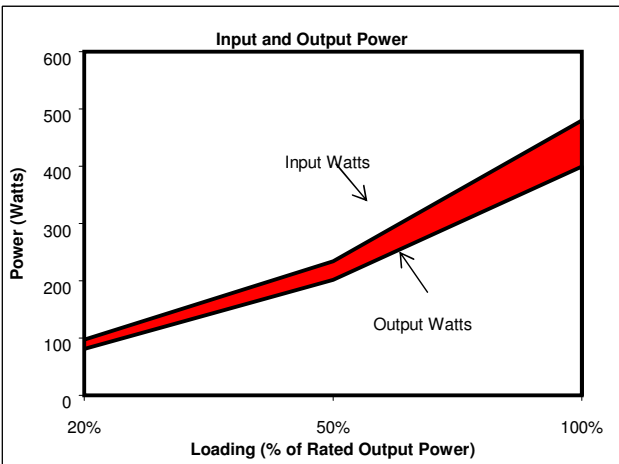
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-10	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 7.18%, 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
0.86	0.98	10.9%	20%	Light	97	12.1/4.9	12.2/0	3.3/2.9	5/1.8	5.1/0.5	81	83.42%
2.05	0.99	7.2%	50%	Typical	234	12.1/12.2	12.2/0.1	3.3/7.3	5/4.6	5.1/1.2	202	86.11%
4.18	1.00	4.9%	100%	Full	480	12/24.3	12.3/0.2	3.3/14.5	5/9.1	5.1/2.3	400	83.31%



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.