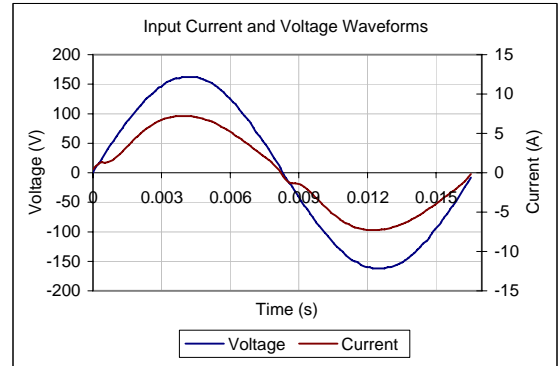


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	86.97%
AVERAGE EFFICIENCY :	85.49%
80 PLUS COMPLIANT:	YES

Ecos ID #	576
Manufacturer	FSP
Model Number	FSP500-80EPS
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	3/10/2008

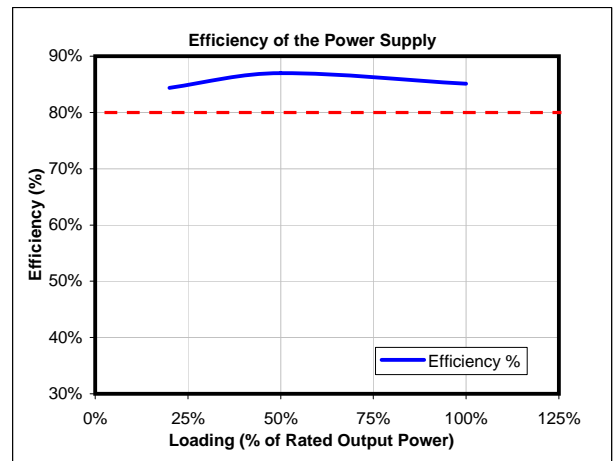
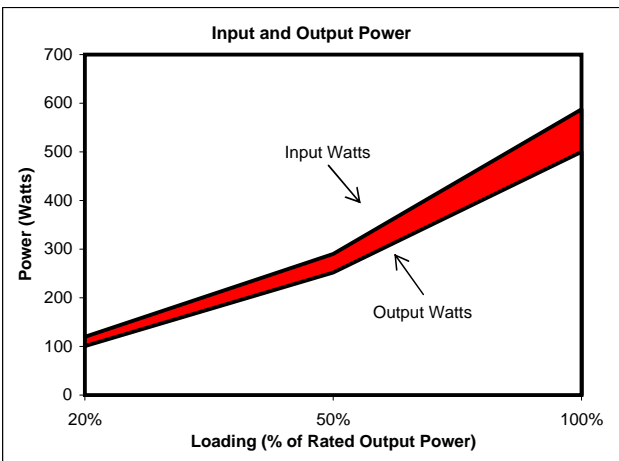


Input AC Current Waveform (ITHD = 9.94%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6.5	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.

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
1.07	0.97	14.4%	20%	Light	120	12/6.7	11.7/0.1	3.4/1.8	5.1/2.2	5/0.3	101	84.38%
2.54	0.99	9.9%	50%	Typical	290	12.1/16.8	11.8/0.2	3.3/4.5	5/5.6	5/0.8	252	86.97%
5.11	1.00	5.5%	100%	Full	587	12/33.6	11.9/0.4	3.3/9	5/11.2	4.9/1.6	500	85.11%



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.