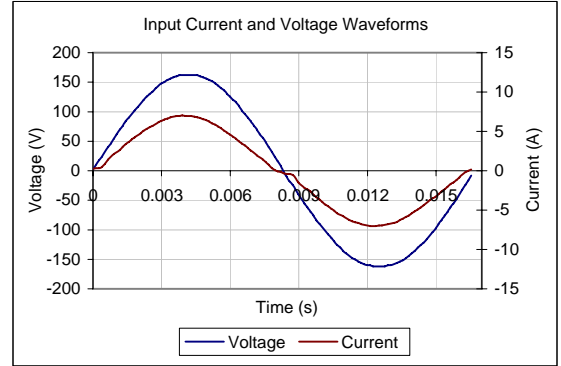


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	84.09%
AVERAGE EFFICIENCY :	82.50%
80 PLUS COMPLIANT:	YES

Ecos ID #	788
Manufacturer	FSP
Model Number	FSP460-60GLN(80)
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	7/2/2008

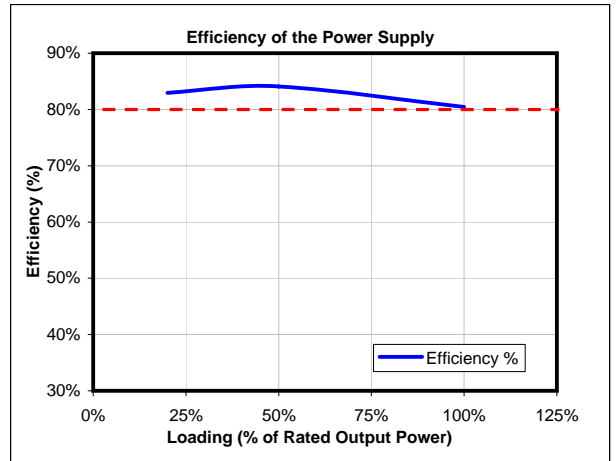
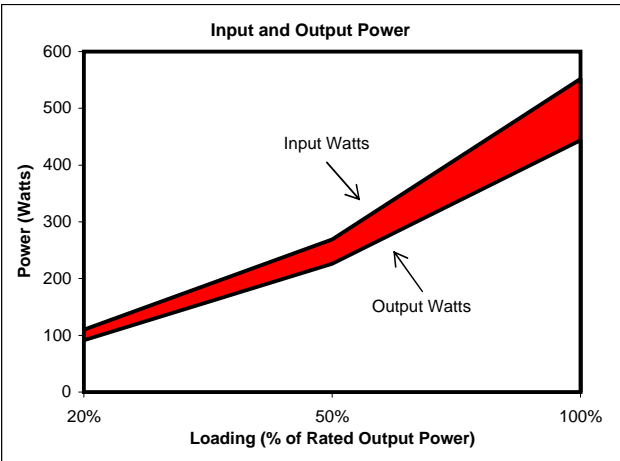


Input AC Current Waveform (ITHD = 13.37%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	460	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
0.98	0.97	20.8%	20%	Light	110	11.9/5.6	11.9/0.1	3.4/2.8	4.9/2.6	5.1/0.4	91	82.97%
2.37	0.99	13.4%	50%	Typical	269	11.8/14	12/0.2	3.3/6.9	4.8/6.4	5/1	226	84.09%
4.81	1.00	7.4%	100%	Full	552	11.7/28	12/0.4	3.2/13.8	4.7/12.9	4.8/1.9	444	80.45%



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.