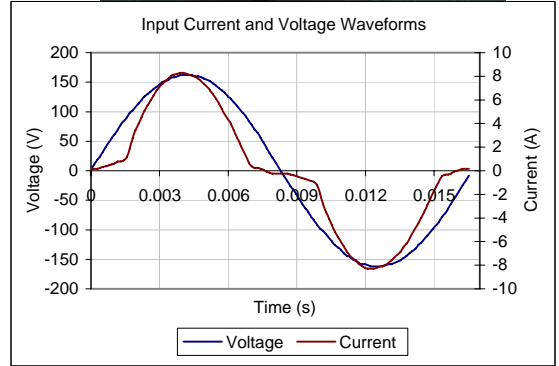


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load): 84.96%
AVERAGE EFFICIENCY : 82.97%
80 PLUS COMPLIANT: YES

Ecos ID #	1087
Manufacturer	FSP
Model Number	FSP460-60GHN
Serial Number	S8271000032
Year	2008
Type	ATX12V
Test Date	10/28/2008

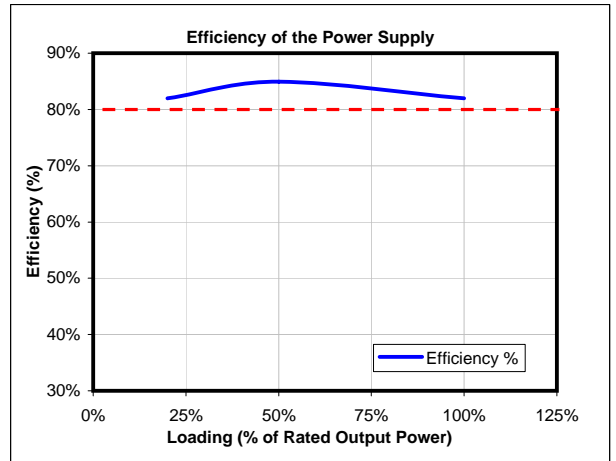
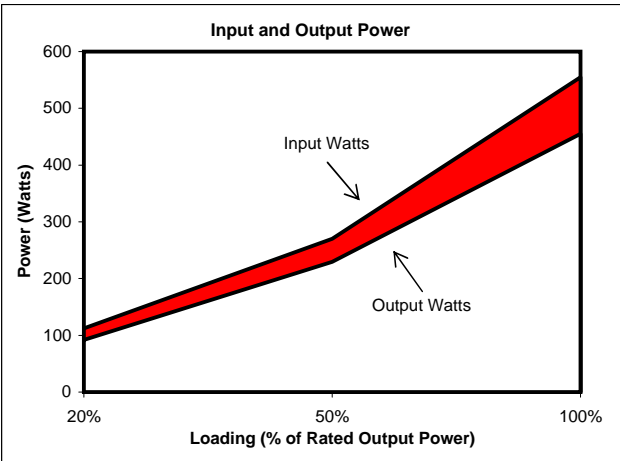


Input AC Current Waveform (ITHD = 33.35%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	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
0.99	0.99	15.9%	20%	Light	112	11.9/5.7	12/0.1	3.4/2.5	5/2.5	5/0.4	92	82.00%
2.50	0.94	33.4%	50%	Typical	270	11.9/14.3	12/0.2	3.4/6.2	5/6.2	5/1.1	230	84.96%
5.05	0.95	29.3%	100%	Full	555	11.8/28.5	11.9/0.4	3.4/12.3	4.9/12.4	4.9/2.1	455	81.96%



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.