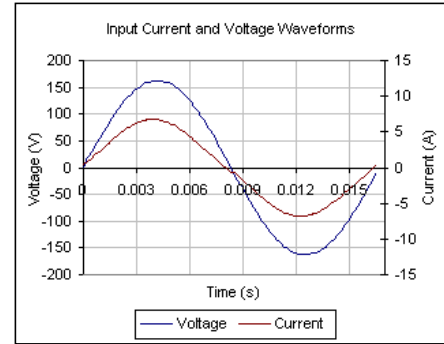


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	84.03%
AVERAGE EFFICIENCY :	82.47%
80 PLUS COMPLIANT:	YES

Ecos ID #	47
Manufacturer	FSP/Sparkle
Model Number	FSP460-80GHN
Serial Number	S5411100078
Year	2006
Type	ATX12V / EPS12V
Test Date	3/10/2006

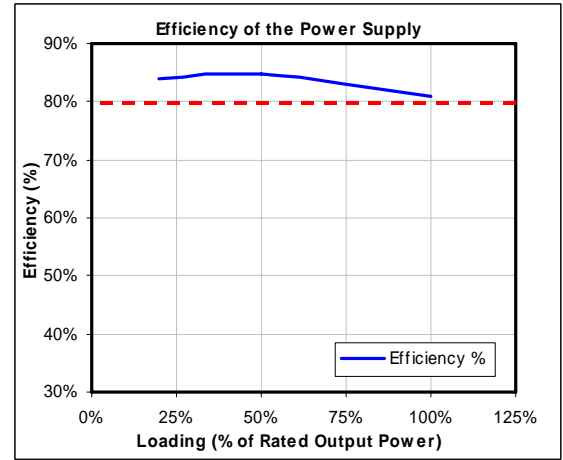
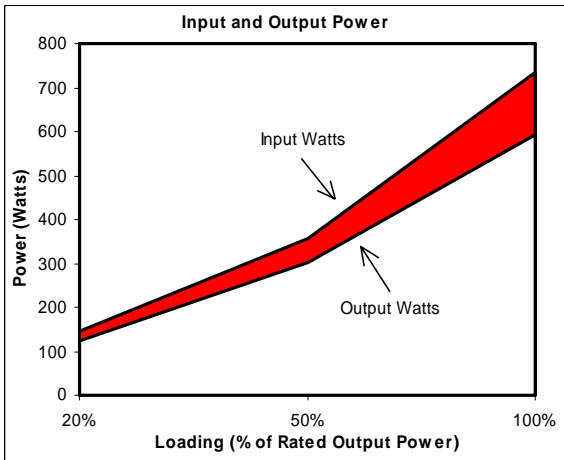


Input AC Current Waveform ($I_{THD} = 9.6\%$, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	7.5 - 3.5	Amps
Input Frequency	60 - 50	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 %
						12V1	12V2	12V3	12V4	-12V	3.3V	5V*	5VSB		
1.02	0.97	18.0%	20%	Light	114	12.1/1.6	12.1/1.6	12.1/1.6	12.1/1.6	12.2/0.04	3.3/1.8	5.2/1.5	5.1/0.3	93	81.40%
2.40	0.99	9.8%	50%	Typical	275	12.1/4.0	12.1/4.0	12.1/4.0	12.1/4.0	12.3/0.1	3.2/4.6	5.1/3.8	5.1/0.7	231	84.03%
4.82	1.00	6.4%	100%	Full	553	11.9/8.0	11.9/8.0	11.9/8.0	11.9/8.0	12.4/0.2	3.1/9.2	5.0/7.6	5.0/1.3	454	81.98%



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 small servers.



Tested by EPRI Solutions Inc., Knoxville, TN.