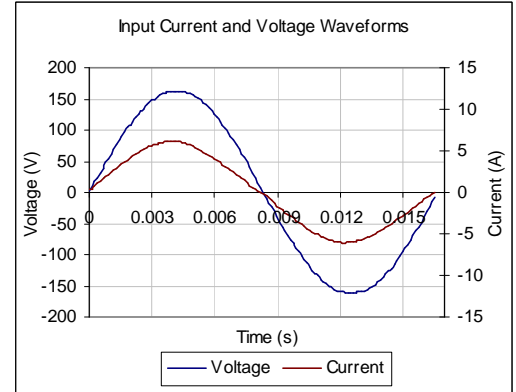


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	83.96%
AVERAGE EFFICIENCY :	82.49%
80 PLUS COMPLIANT:	YES



Ecos ID #	203
Manufacturer	Sparkle Power
Model Number	SPI400PFB
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	2/6/2007

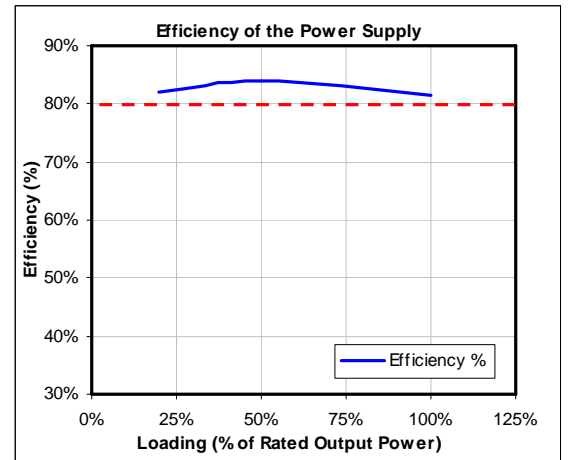
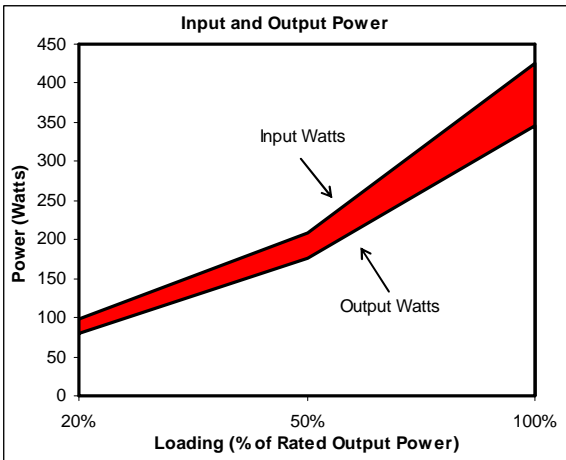


Input AC Current Waveform (ITHD = 11.96%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	9-6	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.

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	-12V	3.3V	5V*	5VSB		
0.87	0.98	6.1%	20%	Light	98	12.1/2.3	12.1/2.3	12.1/0.1	3.3/2.6	5/2.6	5/0.5	81	82.09%
1.84	0.99	12.0%	50%	Typical	209	12.2/5	12.2/5	11.5/0.3	3.2/5.6	4.9/5.6	5/1.2	175	83.96%
3.71	1.00	7.3%	100%	Full	426	12/9.9	12/9.9	11.7/0.5	3.2/11.2	4.8/11.2	4.9/2.5	347	81.41%



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.