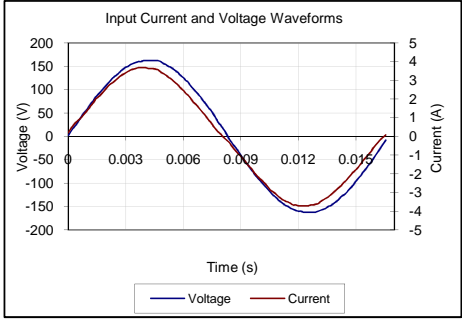


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.75%
AVERAGE EFFICIENCY :	83.63%
80 PLUS COMPLIANT:	YES



Ecos ID #	1430.1
Manufacturer	SPARKLE
Model Number	SPI250F4BB
Serial Number	S9111000012
Year	2009
Type	FLEX
Test Date	5/20/2009

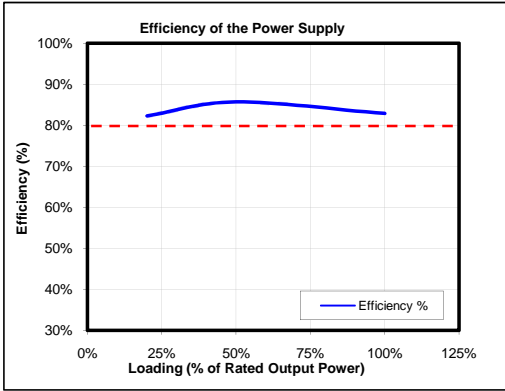
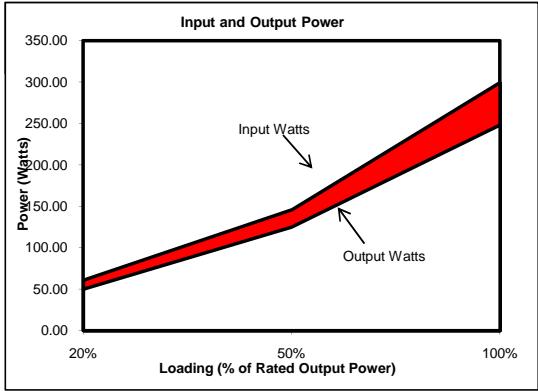


Input AC Current Waveform (ITHD = 6.66%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	60-50	Hz
Rated Output Power	250	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		
0.54	0.9698	10.50%	20%	Light	60.80	12/2.9	12/0	3.3/1.4	5.1/1.6	5.1/0.4	50.03	82.28%
1.28	0.9891	6.66%	50%	Typical	145.76	11.9/7.3	12/0.1	3.3/3.5	5/4	5.1/1.1	124.98	85.75%
2.61	0.9968	3.99%	100%	Full	299.50	11.9/14.6	12.1/0.2	3.3/6.9	5/7.9	5/2.1	248.21	82.88%



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.