

80 PLUS Verification and Testing Report

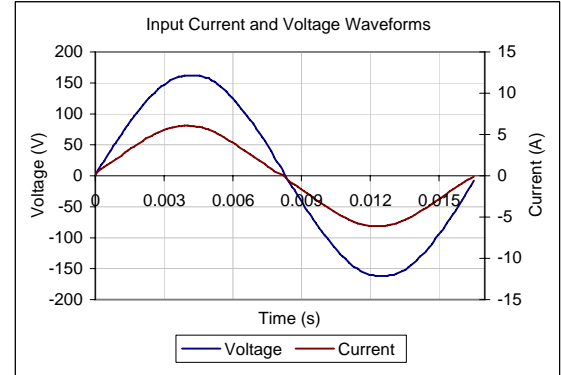


TYPICAL EFFICIENCY (50% Load):	84.84%
AVERAGE EFFICIENCY :	82.69%
80 PLUS COMPLIANT:	YES

Ecos ID #	200
Manufacturer	Sparkle Power
Model Number	SPI4001UG
Serial Number	NA
Year	2007
Type	FLEX ATX
Test Date	10/31/2007

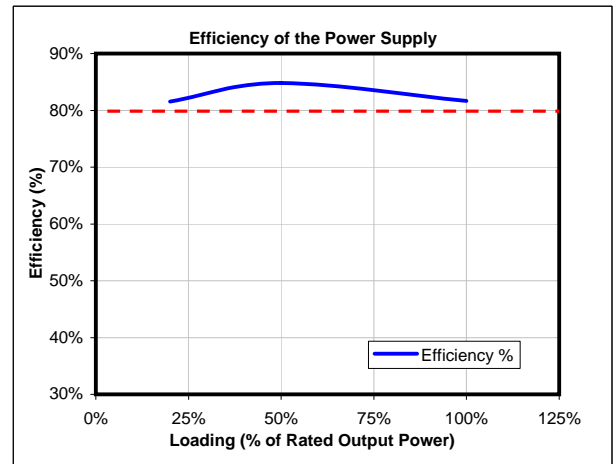
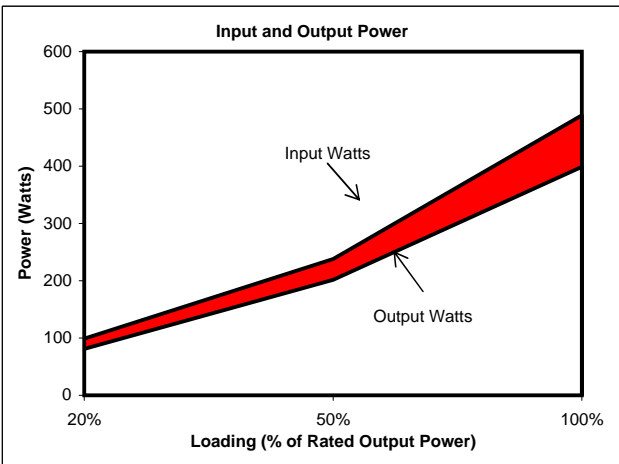
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 5%, 50% Load)

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		
0.88	0.98	5.6%	20%	Light	99	12.2/4.6	11.5/0.1	3.3/2.6	5/2.6	5.1/0.4	81	81.58%
2.08	1.00	5.0%	50%	Typical	238	12.2/11.6	11.5/0.2	3.3/6.5	5/6.5	5/0.9	202	84.84%
4.26	1.00	4.8%	100%	Full	489	12.1/23.2	11.5/0.4	3.2/13	4.9/13.1	4.9/1.8	399	81.66%



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.