

80 PLUS Verification and Testing Report

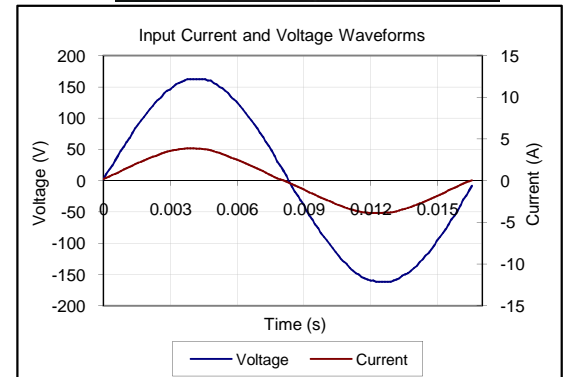
TYPICAL EFFICIENCY (50% Load):	83.68%
AVERAGE EFFICIENCY :	81.92%
80 PLUS COMPLIANT:	YES



Ecos ID #	347.1
Manufacturer	Sparkle Power International
Model Number	SPI2501UH
Serial Number	NA
Year	2007
Type	ATX
Test Date	2007/8/20

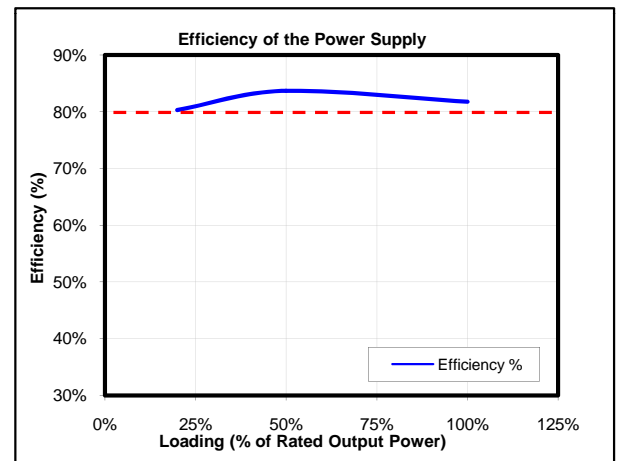
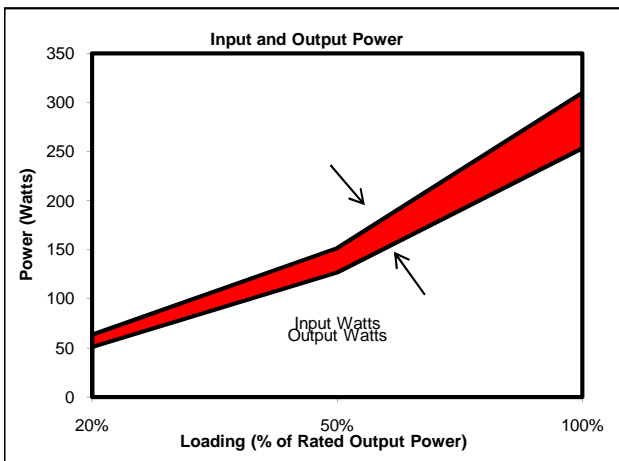
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	250	Watts

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



Input AC Current Waveform (ITHD = 6.02%, 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		
0.56	0.98	7.2%	20%	Light	64	12.4/2.5	12.2/0.1	3.3/1.9	5/2.1	5/0.4	51	80.30%
1.33	0.99	6.0%	50%	Typical	152	12.4/6.3	12.2/0.3	3.3/4.7	4.9/5.3	5/0.9	127	83.68%
2.70	1.00	5.0%	100%	Full	310	12.4/12.6	12.3/0.6	3.3/9.4	4.9/10.5	4.9/1.8	254	81.78%



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.