

80 PLUS Verification and Testing Report

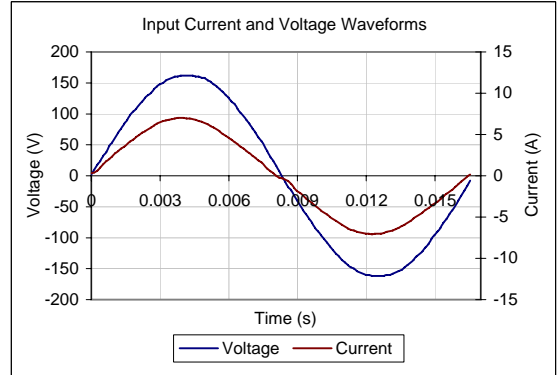


TYPICAL EFFICIENCY (50% Load):	84.66%
AVERAGE EFFICIENCY :	82.93%
80 PLUS COMPLIANT:	YES

Ecos ID #	290a
Manufacturer	SPI
Model Number	SPI460PFB2
Serial Number	NA
Year	2007
Type	ATX
Test Date	7/5/2007

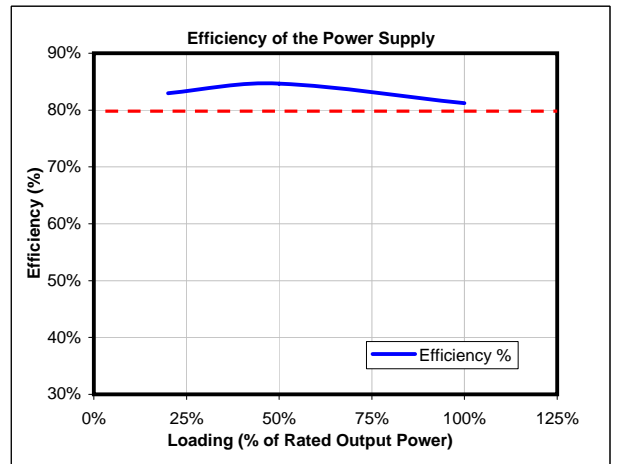
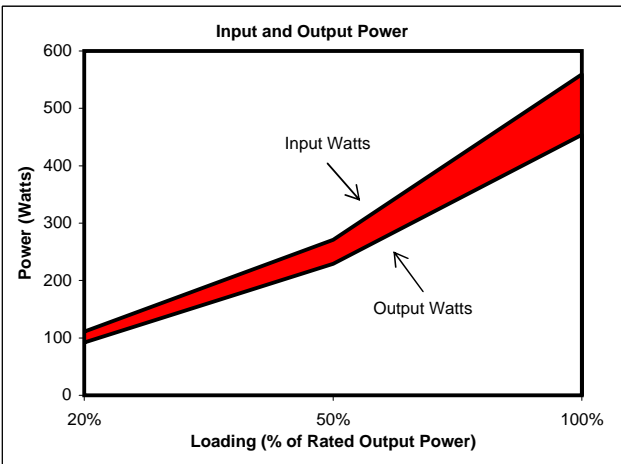
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	60-50	Hz
Rated Output Power	460	Watts

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



Input AC Current Waveform (ITHD = 8.27%, 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		
0.98	0.99	11.2%	20%	Light	111	12/5.3	11.9/0.1	3.3/3.2	5/2.9	5/0.5	92	82.95%
2.37	0.99	8.3%	50%	Typical	271	12/13.3	11.9/0.2	3.3/7.9	5/7.2	5/1.2	229	84.66%
4.87	1.00	5.3%	100%	Full	559	11.9/26.5	12/0.5	3.2/15.7	5/14.4	4.9/2.5	454	81.19%



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.