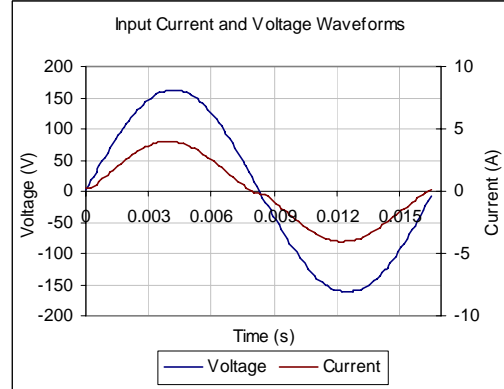


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	82.86%
AVERAGE EFFICIENCY :	81.17%
80 PLUS COMPLIANT:	YES

Ecos ID #	143a
Manufacturer	SPI
Model Number	SPI250EP
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	12/28/2006

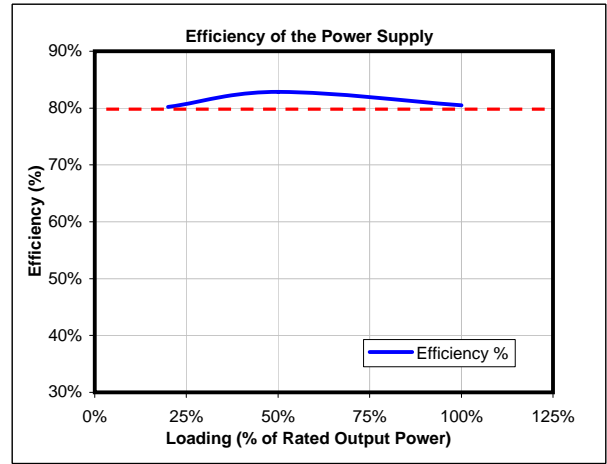
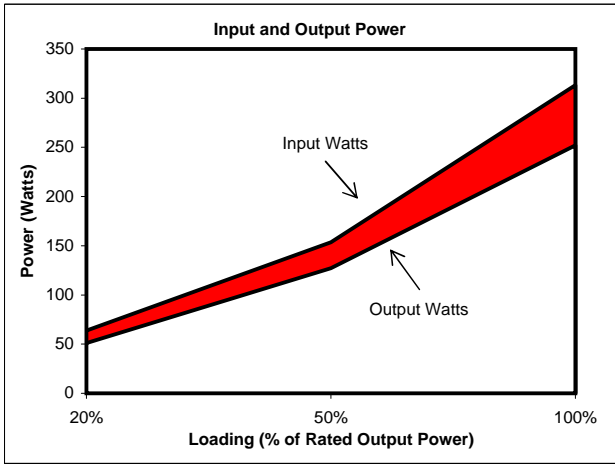


Input AC Current Waveform (ITHD = 14.82%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4-2	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.

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	12V3	12V4	-12V	3.3V	5V*	5VSB		
0.57	1.00	24.1%	20%	Light	64	12.3/1	12.4/1.6			11.4/0.1	3.3/2.1	5.1/1.8	5/0.4	51	80.20%
1.35	0.99	14.8%	50%	Typical	153	12.3/2.5	12.3/4			11.4/0.1	3.3/5.3	5.1/4.6	5/1	127	82.86%
2.74	0.99	8.7%	100%	Full	313	12.2/5	12.3/8.1			11.6/0.2	3.3/10.7	5/9.2	4.9/1.9	252	80.46%



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.

