

80 PLUS Verification and Testing Report

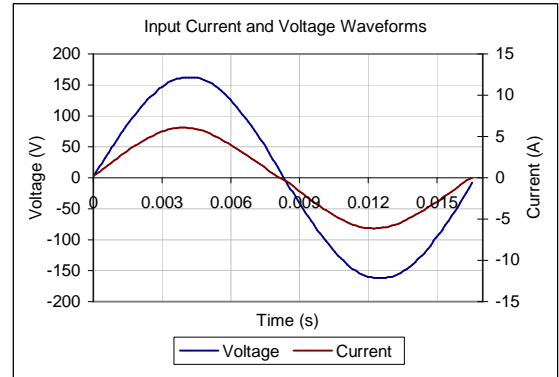


TYPICAL EFFICIENCY (50% Load):	84.93%
AVERAGE EFFICIENCY :	82.92%
80 PLUS COMPLIANT:	YES

Ecos ID #	389.1
Manufacturer	Sparkle Power International
Model Number	SPI400PFB2
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	10/3/2007

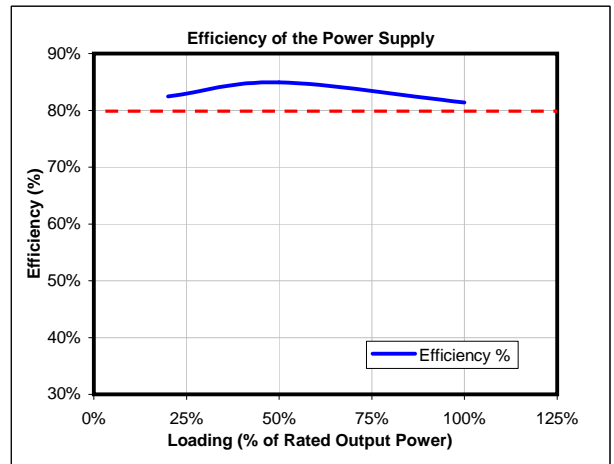
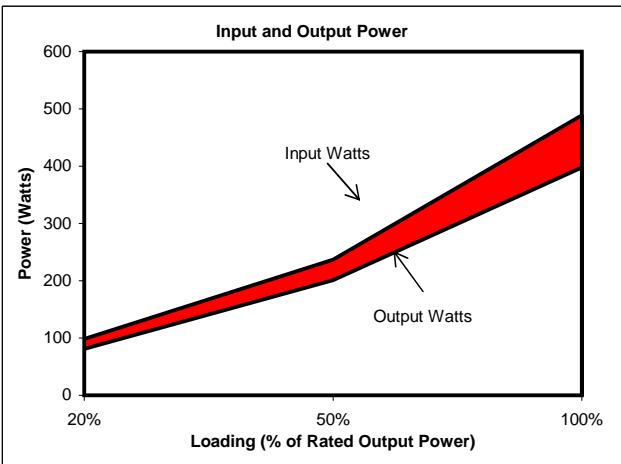
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 7.1%, 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		
0.87	0.98	7.9%	20%	Light	98	12.2/4.6	12.1/0.1	3.3/2.6	5.1/2.6	5/0.5	81	82.43%
2.08	0.99	7.1%	50%	Typical	237	12.1/11.5	12.2/0.2	3.2/6.5	5/6.5	5/1.2	201	84.93%
4.26	1.00	4.6%	100%	Full	489	12/22.9	12.3/0.5	3.1/12.9	5/12.9	4.9/2.5	398	81.39%



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.