

80 PLUS Verification and Testing Report

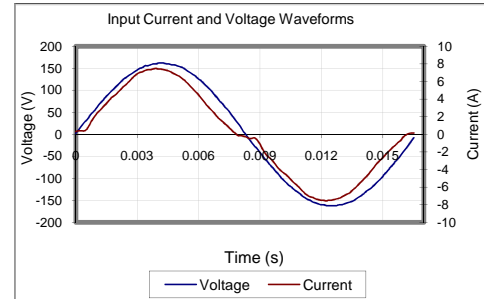
TYPICAL EFFICIENCY (50% Load):	88.77%
AVERAGE EFFICIENCY :	87.17%
80 PLUS COMPLIANT:	YES



Ecos ID #	2005.1
Manufacturer	SPARKLE POWER
Model Number	SPI500ACB5
Serial Number	S9521000004
Year	2010
Type	ATX12V
Test Date	4/5/2010

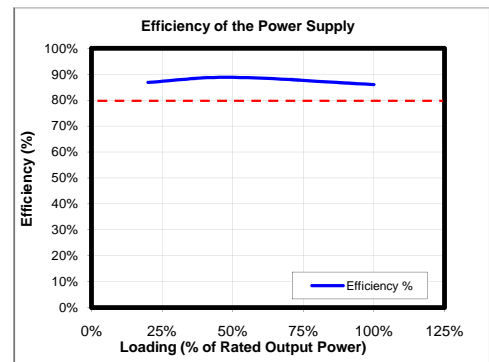
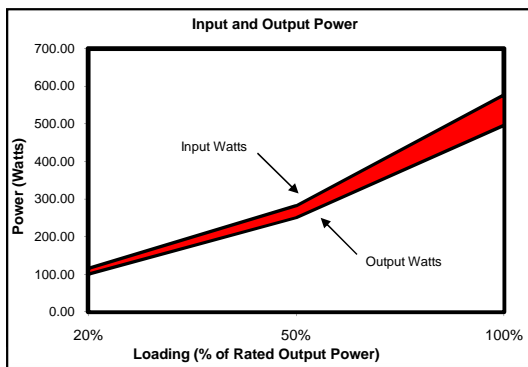
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	60-50	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 18.74%, 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
1.02	0.98	17.84%	20%	Light	115.72	12/5.8		11.5/0.1	3.3/3.6	5/3	5/0.5	100.46	86.81%
2.52	0.98	18.74%	50%	Typical	282.60	12.1/14.5		11.5/0.2	3.3/9	5/7.5	5/1.3	250.87	88.77%
5.08	0.99	12.82%	100%	Full	577.80	12/28.9		11.6/0.4	3.2/17.9	4.9/15	4.9/2.7	496.54	85.94%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

