

80 PLUS Verification and Testing Report

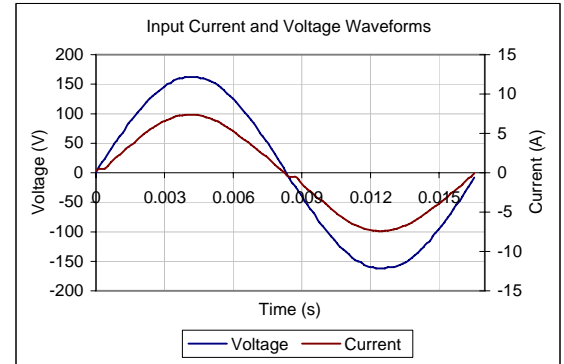
TYPICAL EFFICIENCY (50% Load): 87.23%
AVERAGE EFFICIENCY : 85.66%
80 PLUS COMPLIANT: YES



Ecos ID #	1019
Manufacturer	SUPERFLOWER
Model Number	SF-500R14HE
Serial Number	S0809007434
Year	2008
Type	ATX12V
Test Date	10/9/2008

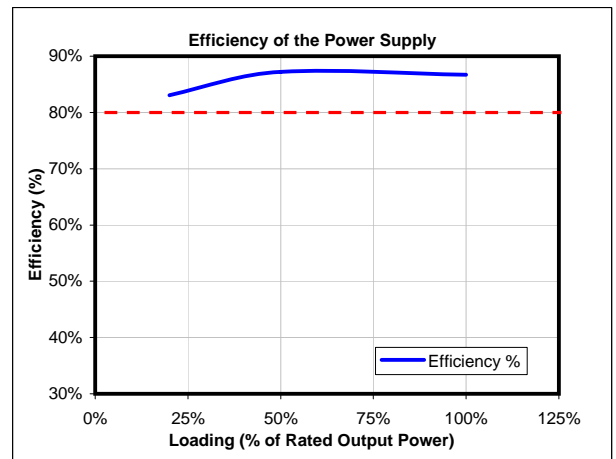
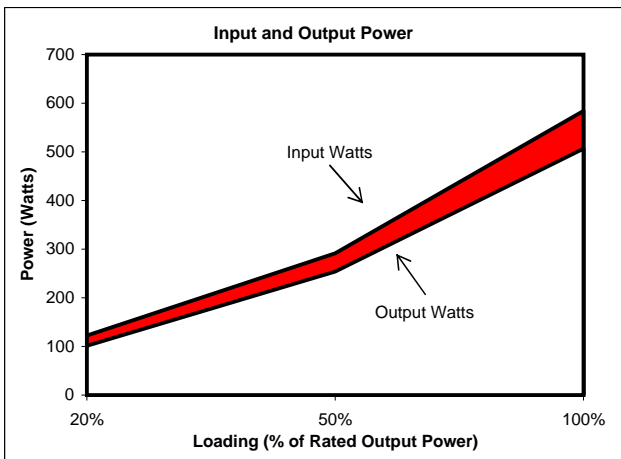
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 4.87%, 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		
1.12	0.95	7.3%	20%	Light	122	12.2/6.3	11.8/0.1	3.3/2.5	5.2/2.5	5/0.5	102	83.09%
2.58	0.98	4.9%	50%	Typical	291	12.2/15.8	11.7/0.2	3.3/6.3	5.1/6.3	5/1.2	254	87.23%
5.14	0.99	5.3%	100%	Full	584	12.1/31.6	11.6/0.4	3.3/12.6	5.1/12.6	5/2.4	506	86.67%



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/>

