

80 PLUS Verification and Testing Report

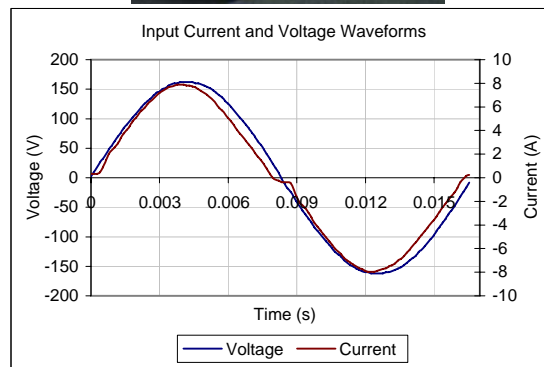
TYPICAL EFFICIENCY (50% Load): 85.03%
AVERAGE EFFICIENCY : 83.65%
80 PLUS COMPLIANT: YES



Ecos ID #	1074
Manufacturer	FSP
Model Number	FSP500-80GHN(85)
Serial Number	S8341100004
Year	2008
Type	ATX12V/EPS12V
Test Date	10/21/2008

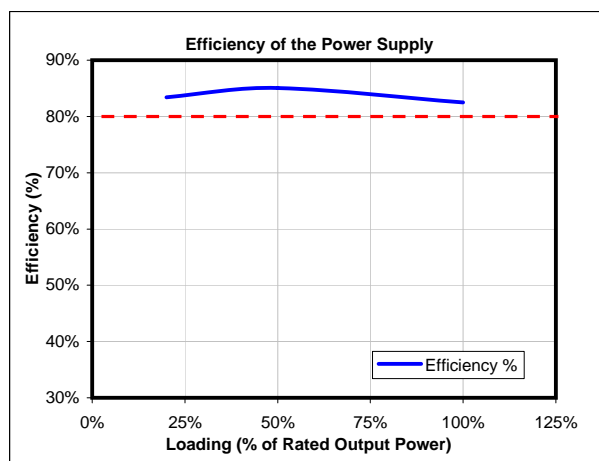
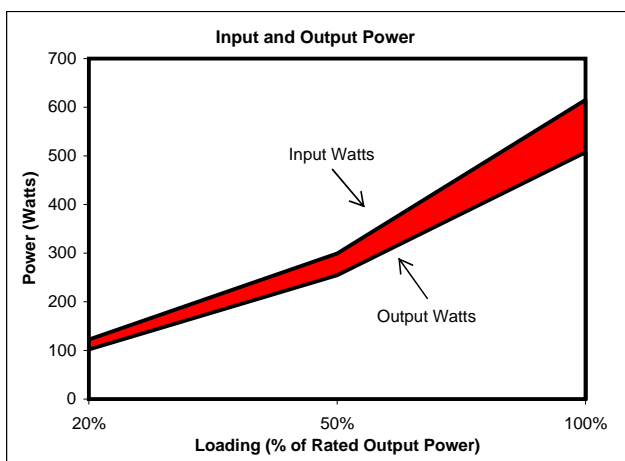
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 15.11%, 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		
1.11	0.96	25.2%	20%	Light	122	12.2/5.6	12.3/0.2	3.4/3.4	5.1/3.4	5.1/0.6	102	83.42%
2.64	0.99	15.1%	50%	Typical	299	12.2/14	12.2/0.4	3.4/8.4	5/8.4	5/1.5	255	85.03%
5.37	1.00	8.9%	100%	Full	615	12.3/28	12.1/0.8	3.4/16.8	5/16.8	4.9/3	508	82.50%



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/>

