

80 PLUS Verification and Testing Report

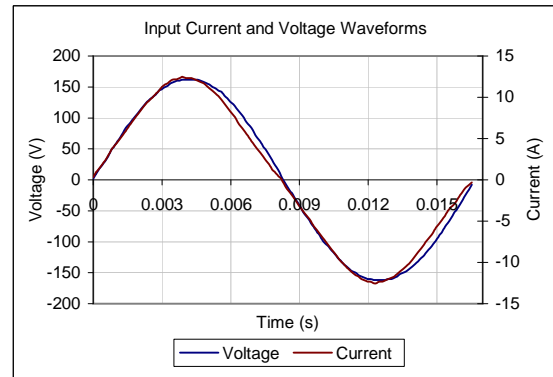
TYPICAL EFFICIENCY (50% Load):	84.50%
AVERAGE EFFICIENCY :	82.23%
80 PLUS COMPLIANT:	YES



Ecos ID #	377
Manufacturer	GIGABYTE
Model Number	GE-S800A-01
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	9/21/2007

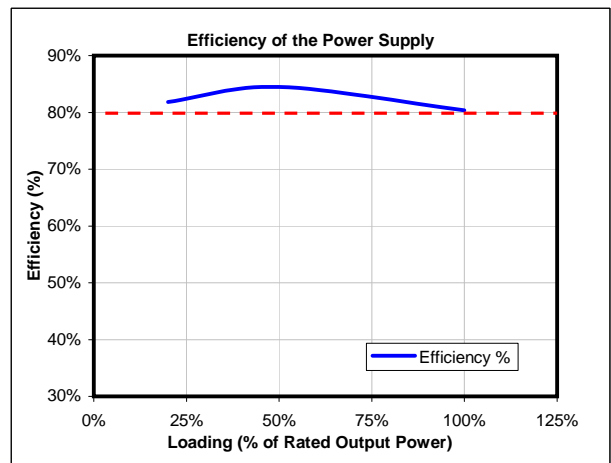
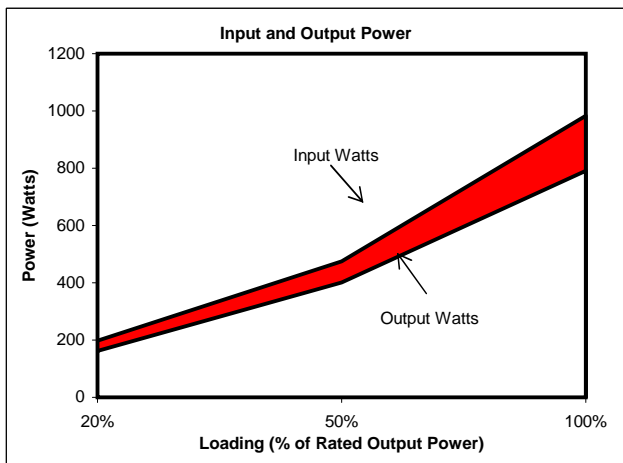
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	800	Watts

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



Input AC Current Waveform (ITHD = 6.46%, 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		
1.74	0.99	8.3%	20%	Light	197	12.1/10.4	12.1/0.2	3.3/3.8	5.1/3.5	0.6/5.1	162	81.82%
4.14	1.00	6.5%	50%	Typical	474	12/26.1	12.1/0.4	3.2/9.5	5/8.8	5/1.5	401	84.50%
8.57	1.00	5.6%	100%	Full	984	11.9/52.1	12.4/0.8	3.1/18.9	4.9/17.7	4.9/3	791	80.38%



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/>

