

80 PLUS Verification and Testing Report

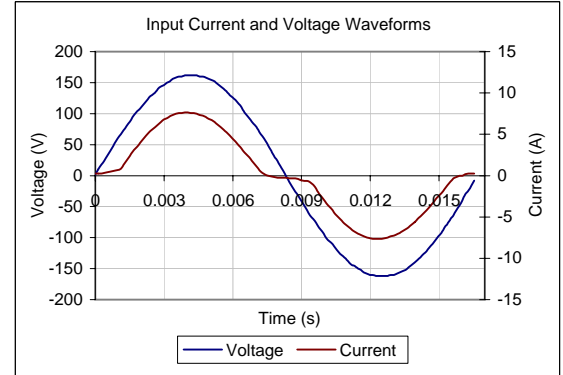


TYPICAL EFFICIENCY (50% Load):	85.07%
AVERAGE EFFICIENCY :	83.43%
80 PLUS COMPLIANT:	YES

Ecos ID #	908.1
Manufacturer	BFG TECHNOLOGIES
Model Number	BFG LS-450
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	9/18/2008

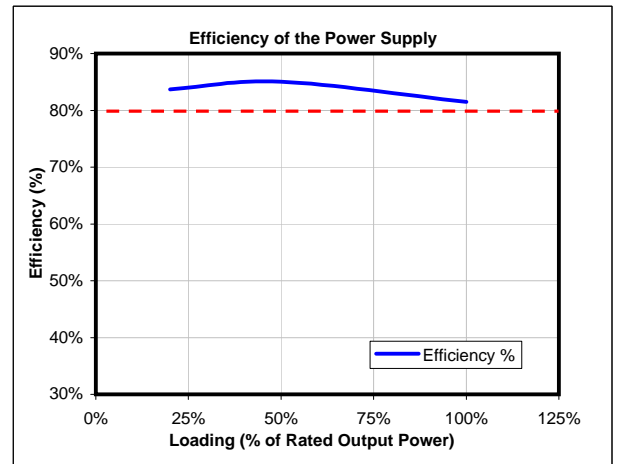
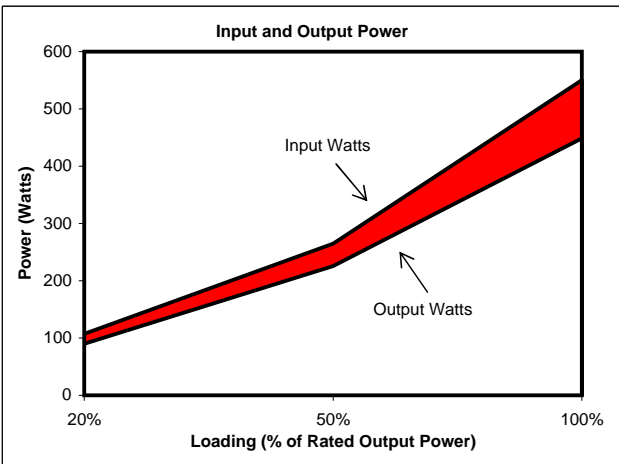
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	60-50	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 26.73%, 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		
0.94	0.99	9.9%	20%	Light	108	11.9/5.6	11.5/0	3.4/2.7	5.1/2.2	5.1/0.4	90	83.71%
2.39	0.96	26.7%	50%	Typical	265	12/14.1	11.6/0.1	3.3/6.8	5/5.6	5/1	225	85.07%
4.90	0.97	21.7%	100%	Full	550	12/28.1	11.8/0.2	3.3/13.5	4.9/11.2	5/2	448	81.52%



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/>

