

80 PLUS Verification and Testing Report

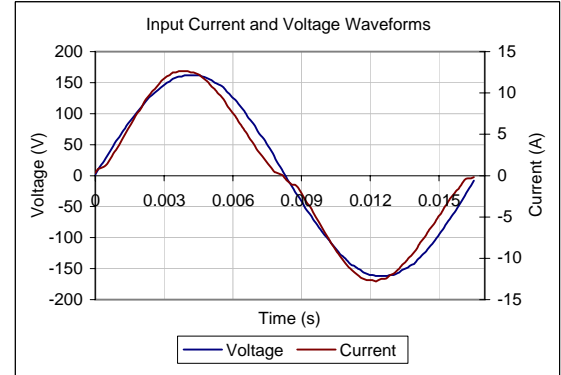


TYPICAL EFFICIENCY (50% Load):	85.40%
AVERAGE EFFICIENCY :	83.53%
80 PLUS COMPLIANT:	YES

Ecos ID #	608
Manufacturer	BFG TECH
Model Number	ES-800
Serial Number	0809U0000ES-29
Year	2008
Type	ATX12V/EPS12V
Test Date	4/4/2008

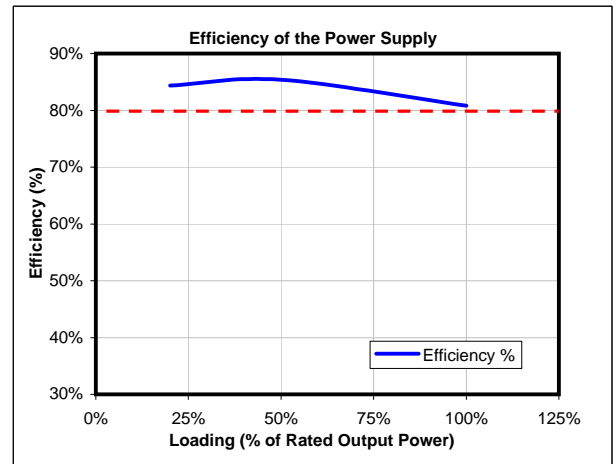
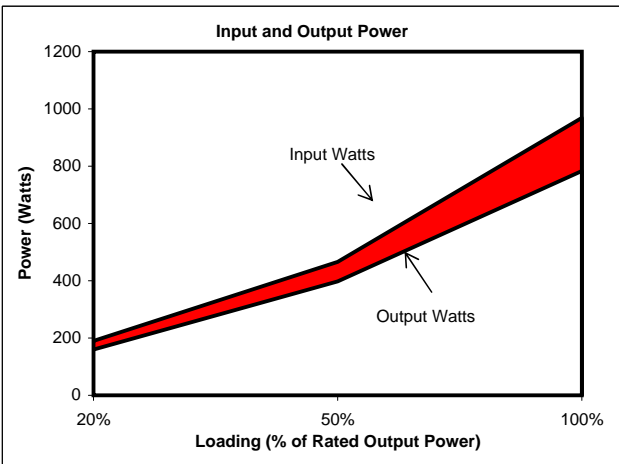
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	800	Watts

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



Input AC Current Waveform (ITHD = 14.89%, 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		
1.66	0.99	7.3%	20%	Light	190	12/10.4	12/0.1	3.3/3.8	5.1/3.8	4.9/0.6	160	84.37%
4.11	0.99	14.9%	50%	Typical	466	11.9/25.9	12/0.2	3.2/9.6	5.1/9.6	4.9/1.5	398	85.40%
8.50	0.99	11.4%	100%	Full	969	11.7/51.9	12.1/0.5	3.1/19	4.9/19.1	4.8/3	783	80.82%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.