

# 80 PLUS Verification and Testing Report

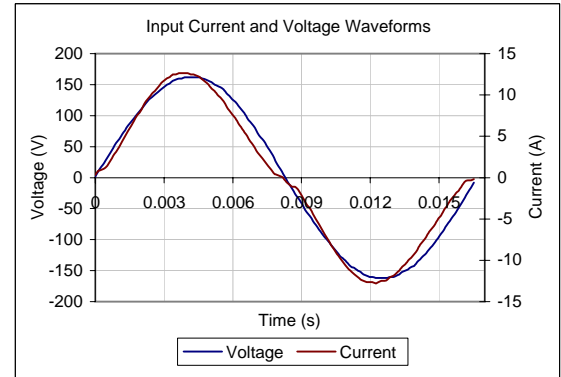


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.40%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.53%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

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

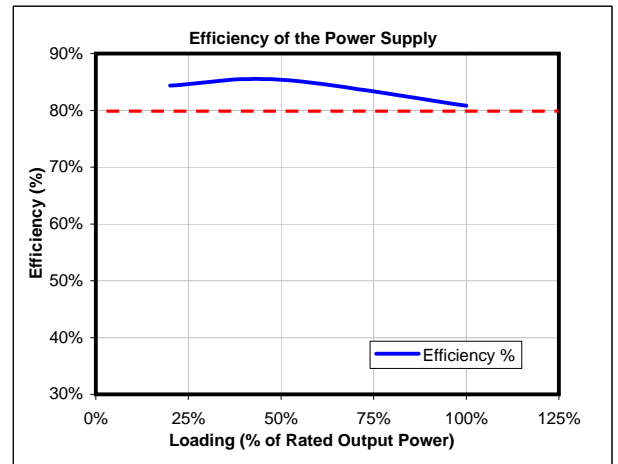
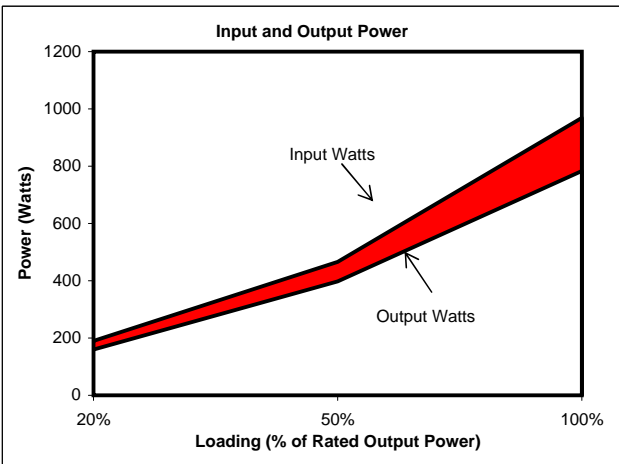
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>800</b>	<b>Watts</b>

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 <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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 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/>

