

# 80 PLUS Verification and Testing Report

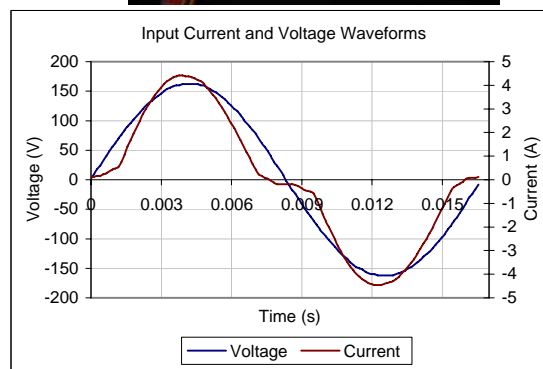
**TYPICAL EFFICIENCY (50% Load):** 84.12%  
**AVERAGE EFFICIENCY :** 81.87%  
**80 PLUS COMPLIANT:** YES



<b>Ecos ID #</b>	1059
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP250-60GHS
<b>Serial Number</b>	S8191000012
<b>Year</b>	2008
<b>Type</b>	SFX12V
<b>Test Date</b>	10/16/2008

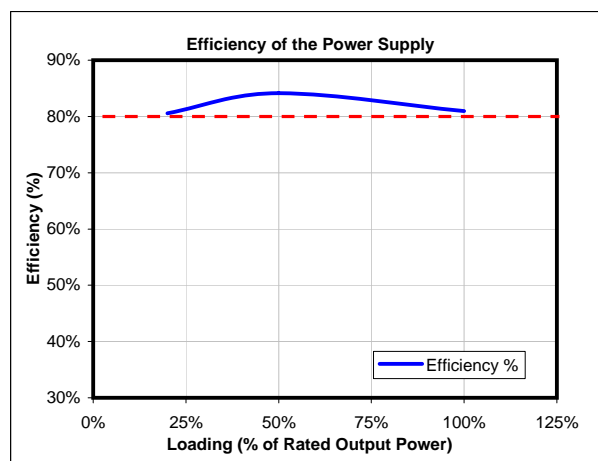
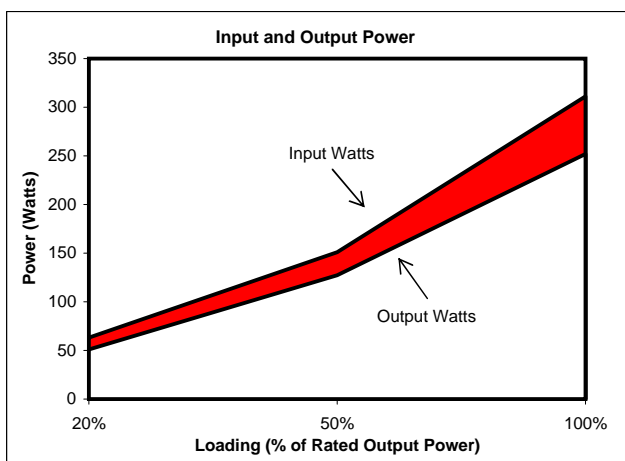
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4-2	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>250</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 24.91%, 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*		
0.56	0.98	14.5%	20%	Light	63	12.2/2.9	11.6/0.1	3.4/1.3	5.1/1.7	51	80.55%
1.36	0.97	24.9%	50%	Typical	151	12.2/7.3	11.7/0.1	3.4/3.4	5.1/4.2	127	84.12%
2.79	0.97	24.1%	100%	Full	311	12.1/14.6	11.7/0.3	3.3/6.7	5/8.4	252	80.94%



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/>

