

# 80 PLUS Verification and Testing Report

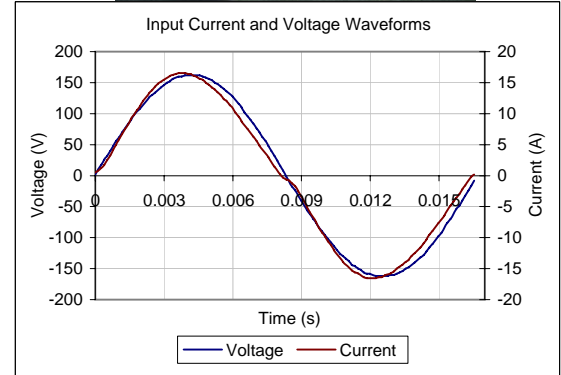
**TYPICAL EFFICIENCY (50% Load):** 87.52%  
**AVERAGE EFFICIENCY :** 85.59%  
**80 PLUS COMPLIANT:** YES



<b>Ecos ID #</b>	1063
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP11A-BOMLA0
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	10/20/2008

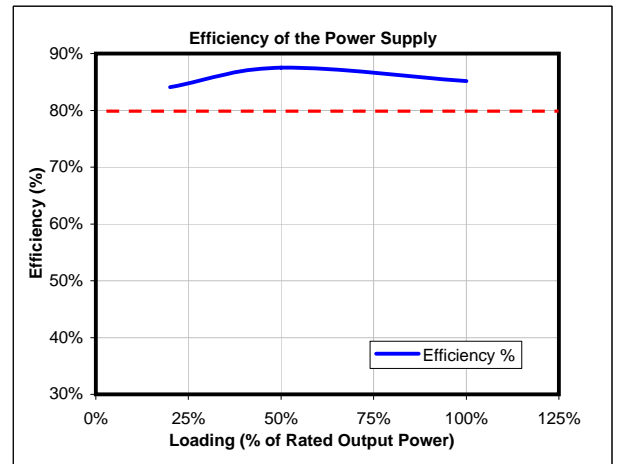
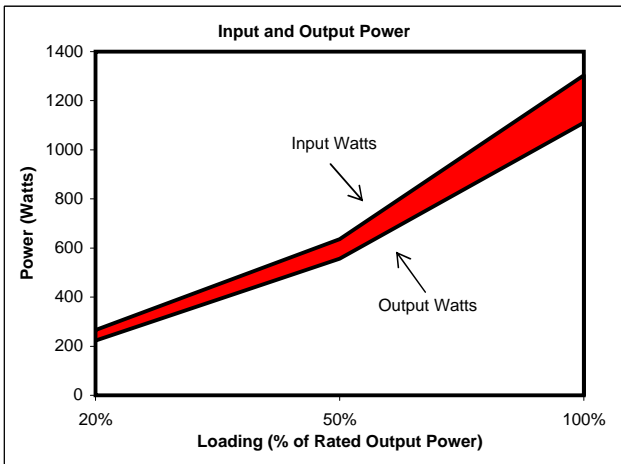
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15-10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1100</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 10.44%, 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		
2.36	0.98	15.1%	20%	Light	266	12.1/15.1	12.3/0.1	3.4/4.1	5.1/4.1	5.1/0.8	224	84.06%
5.59	0.99	10.4%	50%	Typical	637	12.1/37.8	12.3/0.3	3.4/10.2	5.1/10.2	5.1/1.9	557	87.52%
11.38	1.00	7.0%	100%	Full	1304	12.1/75.5	12.3/0.6	3.4/20.2	5.1/20.3	5/3.8	1111	85.18%



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.