

# 80 PLUS Verification and Testing Report

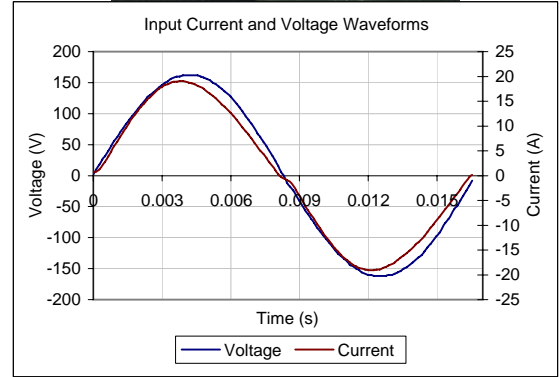


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.27%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.20%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	1064
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP12F-BOMLA0
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	10/20/2008

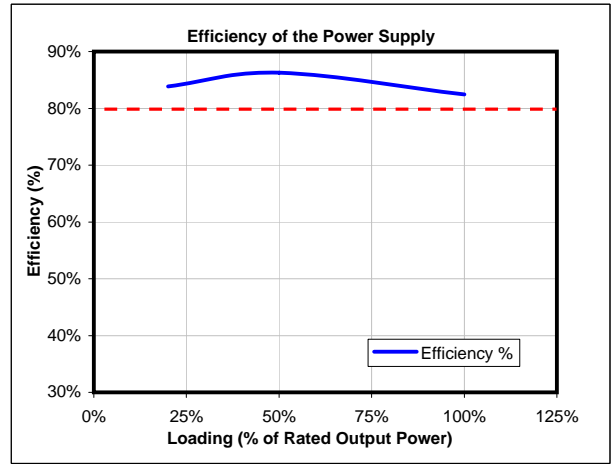
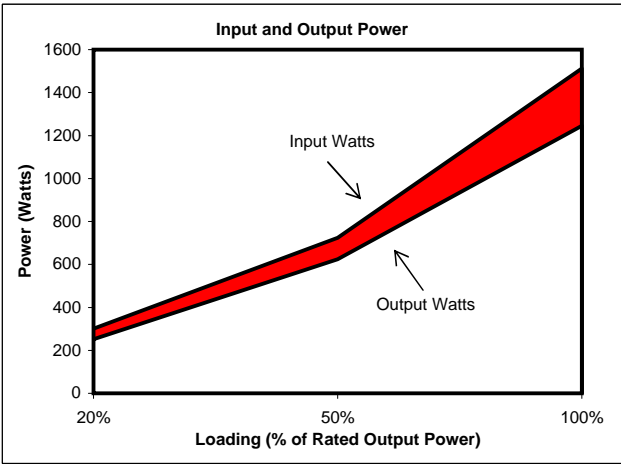
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	15-10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1250</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 9.73%, 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		
2.66	0.98	14.3%	20%	Light	301	12/17	12.2/0.1	3.4/5	5.2/5	5.1/0.8	252	83.88%
6.35	0.99	9.7%	50%	Typical	724	11.9/42.3	12.2/0.3	3.4/12.5	5.1/12.5	5.1/2	624	86.27%
13.19	1.00	1.0%	100%	Full	1512	11.9/84.6	12.3/0.6	3.4/24.8	5.1/25	5/4	1246	82.45%



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.