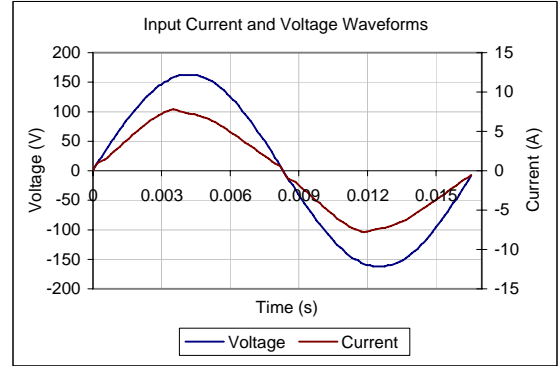


# 80 PLUS Verification and Testing Report



**TYPICAL EFFICIENCY (50% Load):** 86.30%  
**AVERAGE EFFICIENCY :** 84.18%  
**80 PLUS COMPLIANT:** YES

<b>Ecos ID #</b>	944
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP500-60EPN(80)
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	9/26/2008

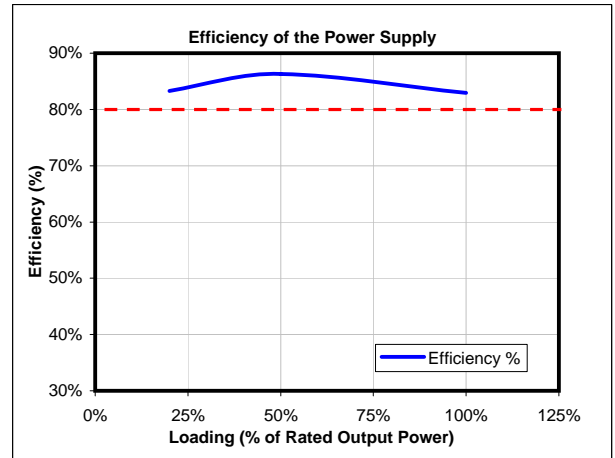
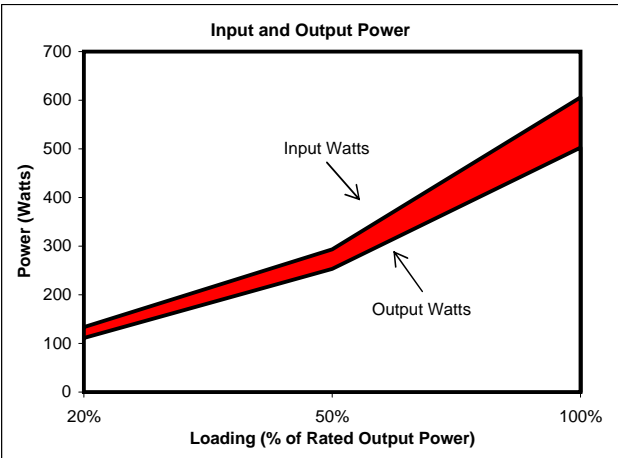


Input AC Current Waveform (ITHD = 8.56%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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

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
1.17	0.99	11.9%	20%	Light	134	12.1/6.3	12/0.1	3.4/2.9	5.1/2.4	5/2.5	111	83.28%
2.56	0.99	8.6%	50%	Typical	293	12.1/15.7	12.2/0.1	3.4/7.4	5.1/6.1	5/1.2	253	86.30%
5.28	1.00	5.9%	100%	Full	606	12.1/31.3	12.3/0.3	3.3/14.7	5/12.2	5/2.3	503	82.94%



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.