

# 80 PLUS Verification and Testing Report

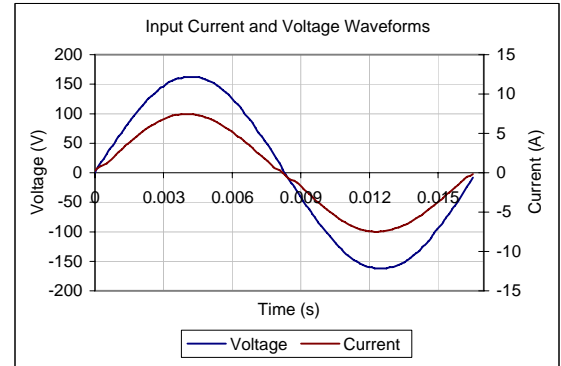


**TYPICAL EFFICIENCY (50% Load):** 86.33%  
**AVERAGE EFFICIENCY :** 85.07%  
**80 PLUS COMPLIANT:** YES

<b>Ecos ID #</b>	939
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP500-60TBN
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	9/24/2008

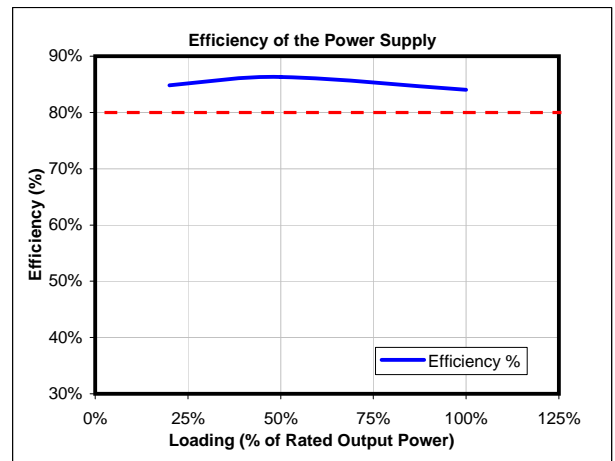
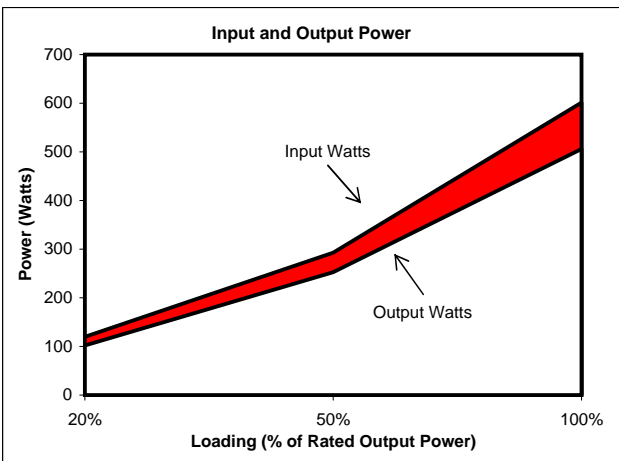
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.8%, 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
1.05	0.99	4.4%	20%	Light	120	12.1/6.2	12.3/0.1	3.3/2.7	5.2/2.7	5.1/0.5	102	84.83%
2.55	1.00	4.8%	50%	Typical	293	12.1/15.5	12.6/0.2	3.3/6.7	5.1/6.7	5.1/1.3	253	86.33%
5.24	1.00	4.5%	100%	Full	602	12.1/30.9	12.5/0.4	3.4/13.4	5.1/13.4	5.1/2.6	506	84.06%



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/>

