

# 80 PLUS Verification and Testing Report

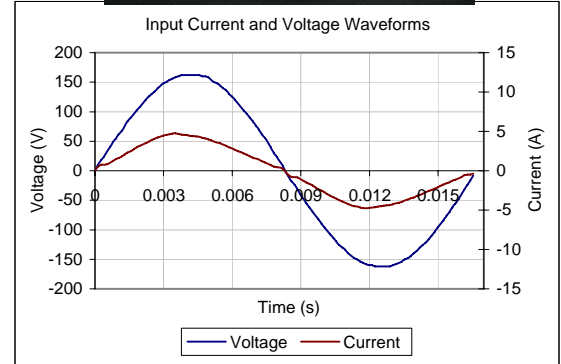


**TYPICAL EFFICIENCY (50% Load):** 85.62%  
**AVERAGE EFFICIENCY :** 83.85%  
**80 PLUS COMPLIANT:** YES

<b>Ecos ID #</b>	940
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP300-60EPN(80)
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	9/26/2008

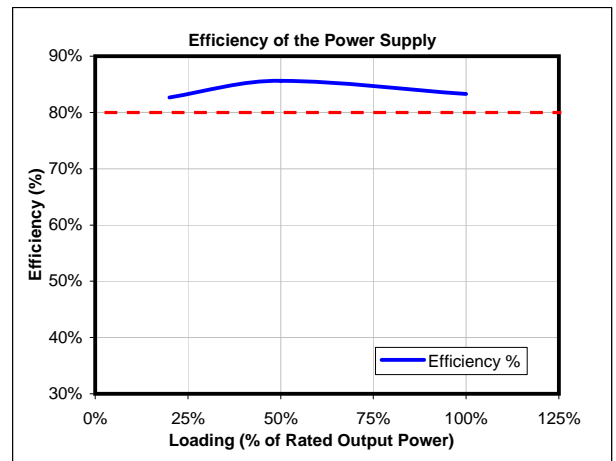
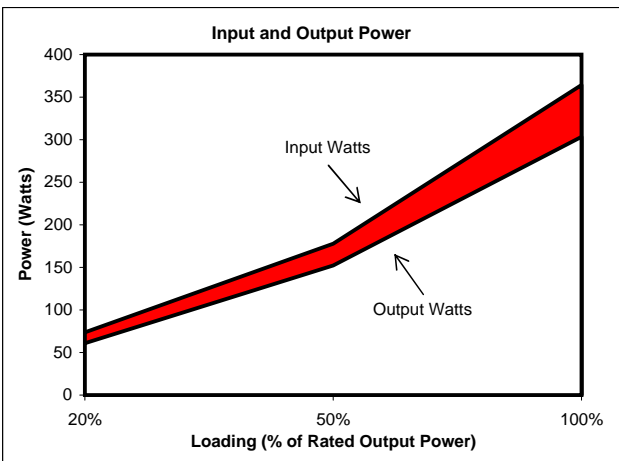
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5-2.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 11.42%, 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		
0.65	0.99	9.2%	20%	Light	74	12.2/3.4	12/0	3.4/2.4	5.1/1.7	5/0.4	61	82.65%
1.56	0.99	11.4%	50%	Typical	178	12.2/8.5	12.1/0.1	3.4/6	5/4.3	5/1	152	85.62%
3.18	1.00	7.5%	100%	Full	364	12.2/17	12.2/0.2	3.3/12.1	5/8.6	5/2	303	83.28%



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.