

# 80 PLUS Verification and Testing Report

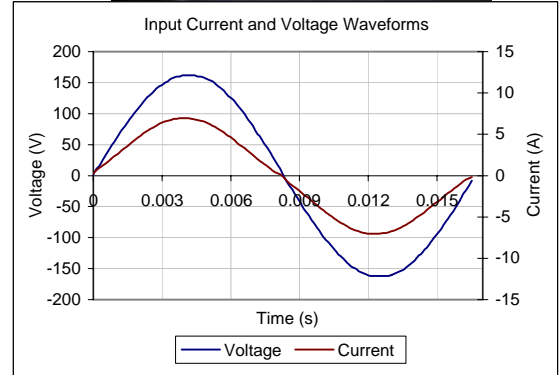


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.34%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.99%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	445
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP460-80GHN
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX12V & EPS12V
<b>Test Date</b>	11/26/2007

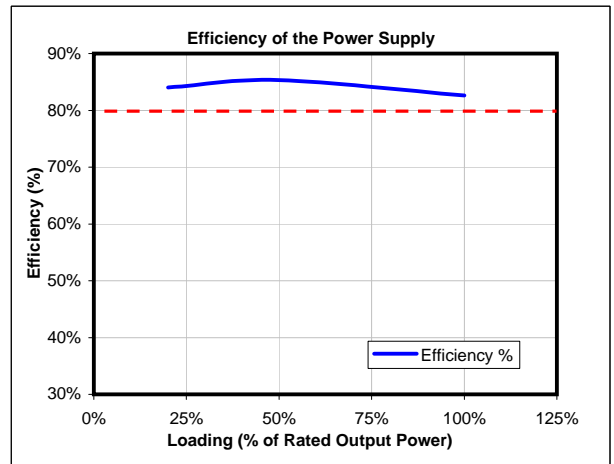
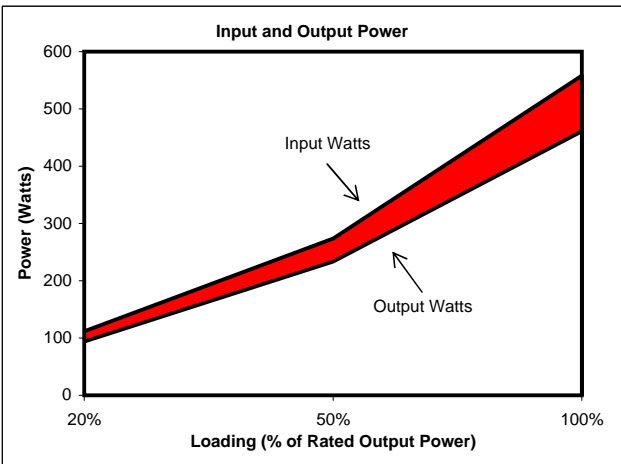
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>460</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 6.68%, 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		
0.99	0.98	13.6%	20%	Light	112	12.2/6.4	12.3/0.1	3.4/1.8	5.2/1.5	5.1/0.3	94	84.03%
2.39	0.99	6.7%	50%	Typical	274	12.2/15.9	12.4/0.2	3.3/4.6	5.2/3.8	5/0.7	234	85.34%
4.87	1.00	5.8%	100%	Full	558	12/31.8	12.4/0.3	3.2/9.1	5.1/7.6	4.9/1.3	461	82.59%



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/>

