

# 80 PLUS Verification and Testing Report

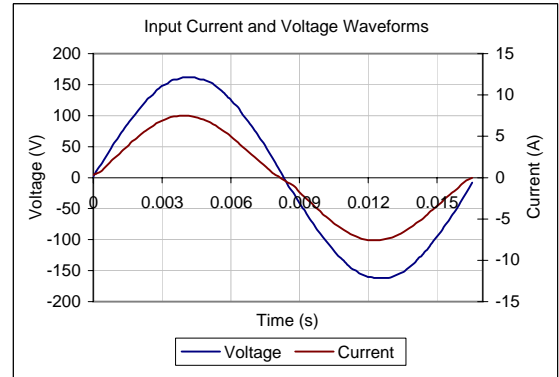


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.12%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.63%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	446
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP500-80GHN
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX12V & EPS12V
<b>Test Date</b>	11/26/2007

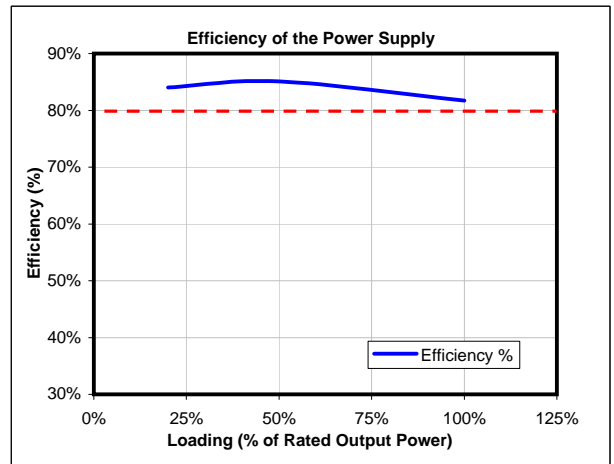
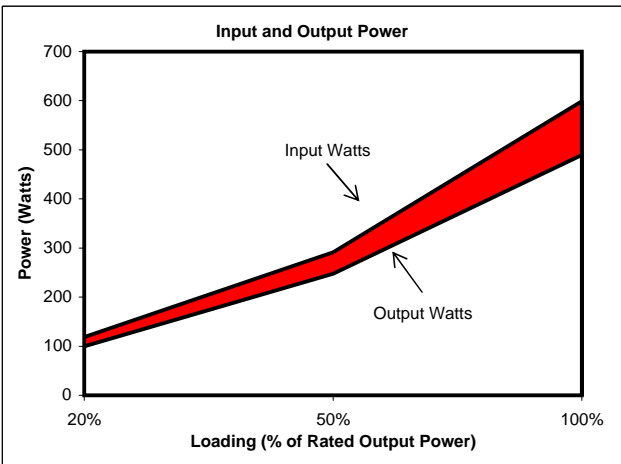
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 10.91%, 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	0.98	13.8%	20%	Light	118	11.9/6.9	12/0.1	3.3/2	5.1/1.7	5.1/0.3	99	84.05%
2.56	0.99	10.9%	50%	Typical	291	11.9/17.3	12.1/0.2	3.3/5	5/4.1	5/0.7	248	85.12%
5.23	1.00	6.6%	100%	Full	599	11.8/34.5	12.2/0.4	3.2/9.9	4.9/8.3	4.9/1.4	490	81.72%



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/>

