

# 80 PLUS Verification and Testing Report

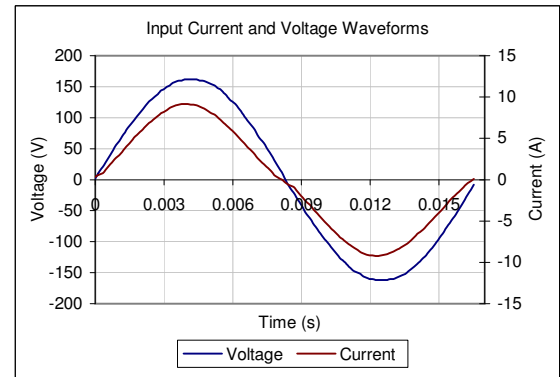
**TYPICAL EFFICIENCY (50% Load):** 84.97%  
**AVERAGE EFFICIENCY :** 83.11%  
**80 PLUS COMPLIANT:** YES



Ecos ID #	447
Manufacturer	FSP
Model Number	Epsilon 80PLUS 600
Serial Number	NA
Year	2007
Type	ATX12V & EPS12V
Test Date	12/4/2007

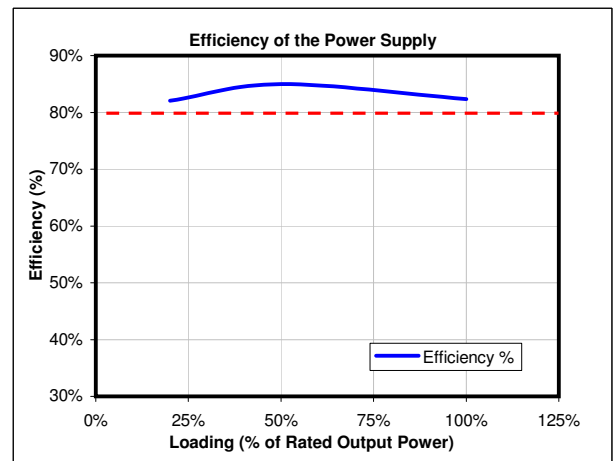
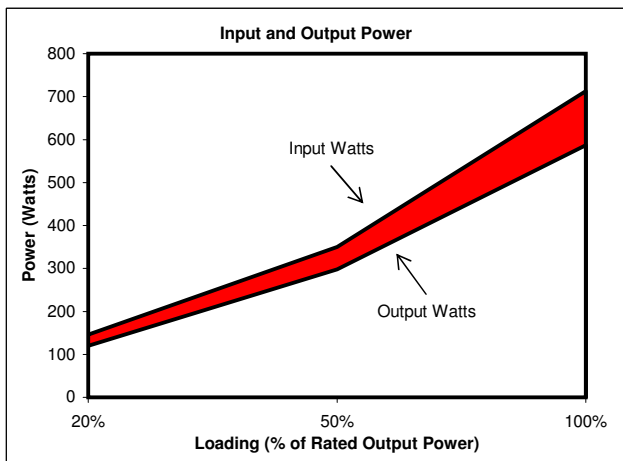
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 13.7%, 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		
1.31	0.97	21.6%	20%	Light	146	11.9/8.3	12/0.1	3.3/2.4	5.2/2	5.1/0.3	120	82.05%
3.08	0.99	13.7%	50%	Typical	350	11.9/20.7	12/0.2	3.2/6	5.2/5	5/0.9	298	84.97%
6.22	1.00	8.3%	100%	Full	713	11.7/41.5	12.1/0.4	3.1/11.9	5.1/9.9	4.9/1.7	587	82.31%



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/>

