

80 PLUS Verification and Testing Report

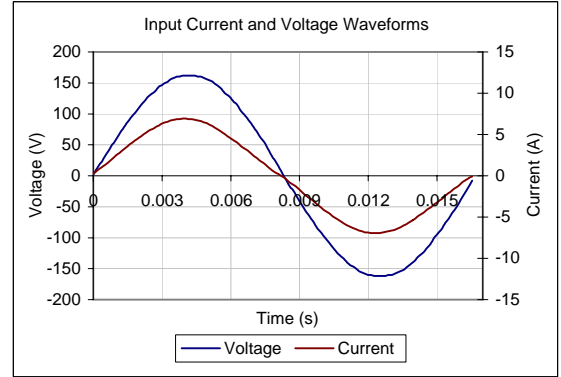


TYPICAL EFFICIENCY (50% Load):	85.58%
AVERAGE EFFICIENCY :	83.82%
80 PLUS COMPLIANT:	YES

Ecos ID #	229
Manufacturer	FSP
Model Number	FSP460-701UG
Serial Number	S7021000008
Year	2007
Type	EPS1U
Test Date	5/10/2007

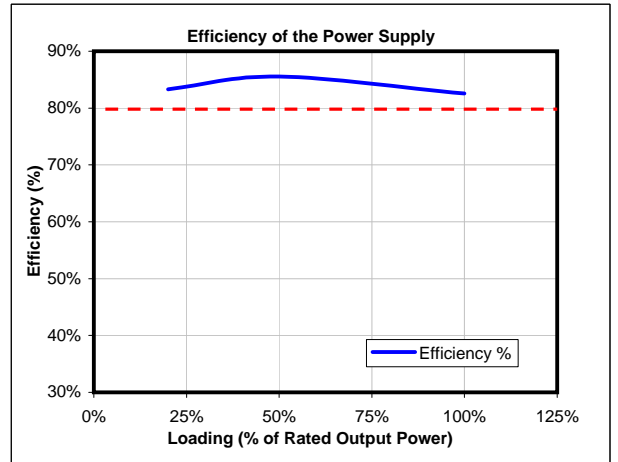
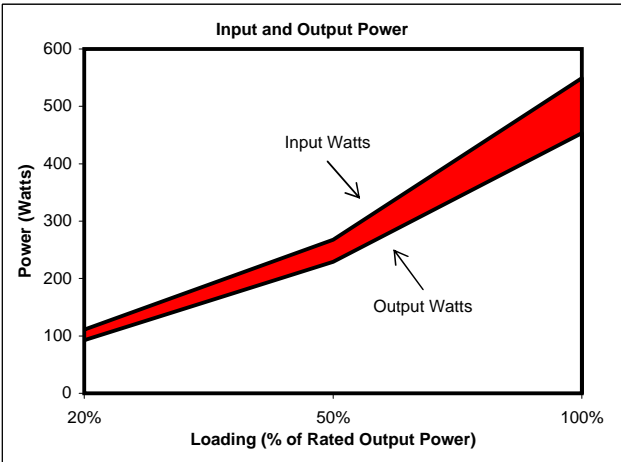
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	.8-4	Amps
Input Frequency	60-50	Hz
Rated Output Power	460	Watts

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



Input AC Current Waveform (ITHD = 6.86%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
0.98	0.99	7.7%	20%	Light	111	12.1/6	11.5/0	3.3/2.3	5/2.3	5.1/0.1	92	83.28%
2.34	0.99	6.9%	50%	Typical	268	12/15.1	11.6/0	3.3/5.7	5/5.7	5.1/0.2	229	85.58%
4.79	1.00	5.6%	100%	Full	549	11.8/30.2	11.8/0.1	3.2/11.3	4.9/11.4	5/0.4	453	82.58%



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.