

80 PLUS Verification and Testing Report

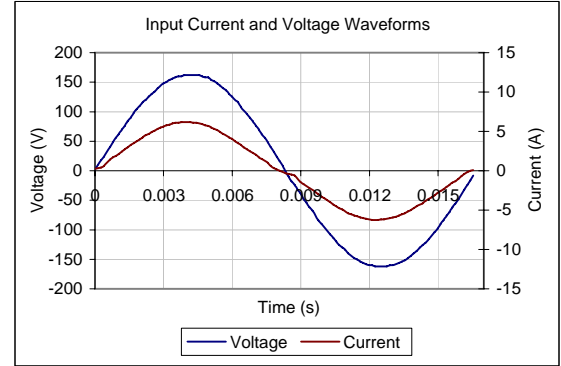


TYPICAL EFFICIENCY (50% Load):	83.63%
AVERAGE EFFICIENCY :	81.90%
80 PLUS COMPLIANT:	YES

Ecos ID #	790
Manufacturer	FSP
Model Number	FSP400-60GLN(80)
Serial Number	S8131000017
Year	2008
Type	ATX12V & EPS12V
Test Date	7/2/2008

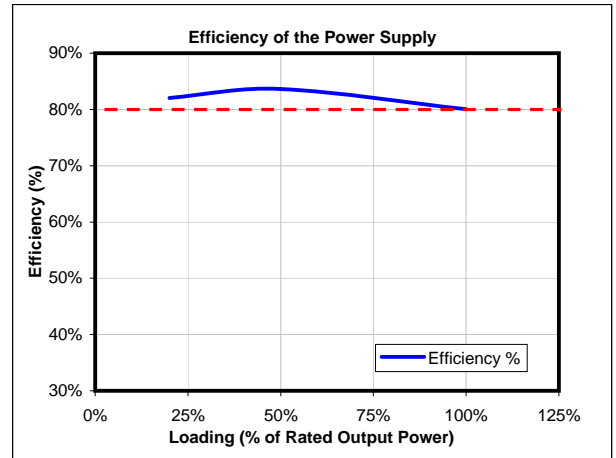
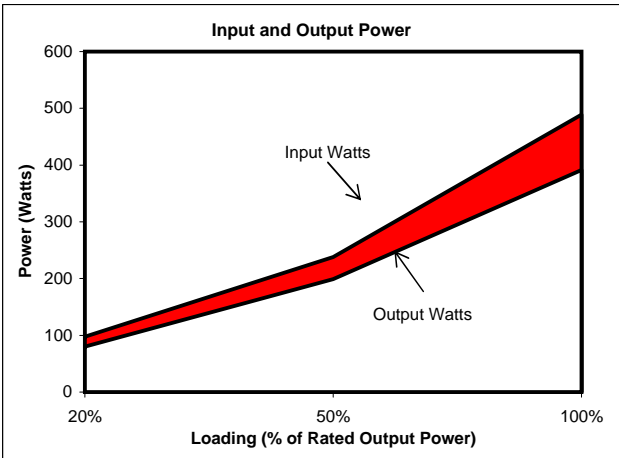
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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 _{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
0.87	0.97	19.0%	20%	Light	98	12/4.8	12.1/0.1	3.4/2.3	5/2.3	5.1/0.4	80	82.03%
2.09	0.99	11.4%	50%	Typical	238	11.9/12.1	12.1/0.2	3.3/5.9	4.9/5.9	5/0.9	199	83.63%
4.27	1.00	7.0%	100%	Full	489	11.8/24.1	12.1/0.4	3.2/11.7	4.8/11.7	4.8/1.9	391	80.05%



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.