

80 PLUS Verification and Testing Report

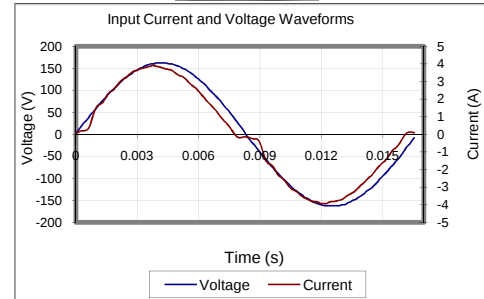
TYPICAL EFFICIENCY (50% Load):	85.45%
AVERAGE EFFICIENCY :	83.56%
80 PLUS COMPLIANT:	YES



Ecos ID #	2101
Manufacturer	FSP TECHNOLOGY INC
Model Number	FSP250-50GUB(85)
Serial Number	S9401000004
Year	2010
Type	FLEX ATX
Test Date	6/10/2010

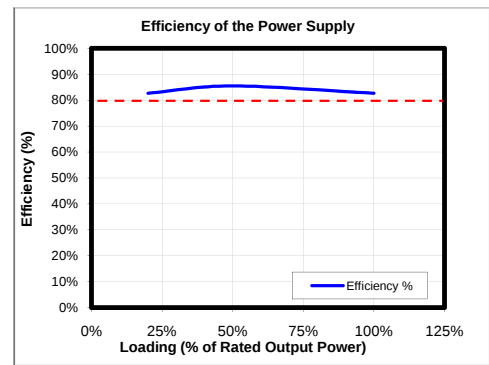
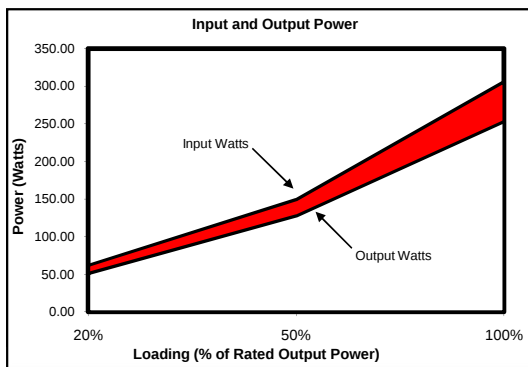
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4-1.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	250	Watts

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



Input AC Current Waveform (ITHD = 10.66%, 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		
0.55	0.98	11.42%	20%	Light	62.03	12.3/2.7	11.7/0.1	3.4/1.9	5.1/1.9	5.1/0.3	51.24	82.61%
1.31	0.99	10.66%	50%	Typical	149.40	12.3/6.7	11.7/0.2	3.4/4.7	5.1/4.7	5.1/0.8	127.67	85.45%
1.69	0.99	10.66%	100%	Full	306.30	12.2/13.3	11.8/0.4	3.4/9.4	5/9.4	5/1.6	253.07	82.62%



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/>

