80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**85.12%**
AVERAGE EFFICIENCY :	**83.77%**
80 PLUS COMPLIANT:	**YES**

Ecos ID #	791
Manufacturer	FSP
Model Number	FSP250-60GHT
Serial Number	S8151000046
Year	2008
Type	TFX
Test Date	7/2/2008

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	55	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 Current and Voltage Waveforms
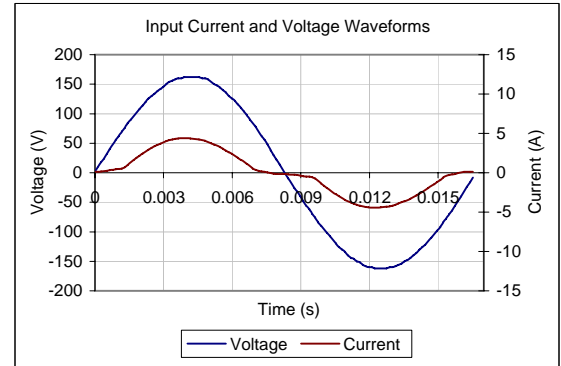
Input AC Current Waveform (ITHD = 25.48%, 50% Load)

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	15.5%	20%	**Light**	62	12.2/3.1	11.6/0	3.4/1.4	5.1/1.5	5.2/0.2	52	**85.01%**
1.34	0.97	25.5%	50%	**Typical**	149	12.2/7.7	11.7/0.1	3.3/3.1	5/3.6	5.1/0.5	127	**85.12%**
2.77	0.97	25.1%	100%	**Full**	308	12/15.5	11.7/0.3	3.3/6.3	5/7.1	5/1	250	**81.18%**

Input and Output Power

Efficiency of the Power Supply
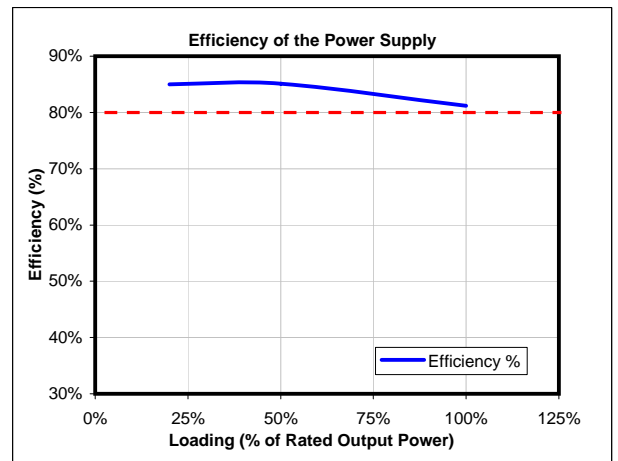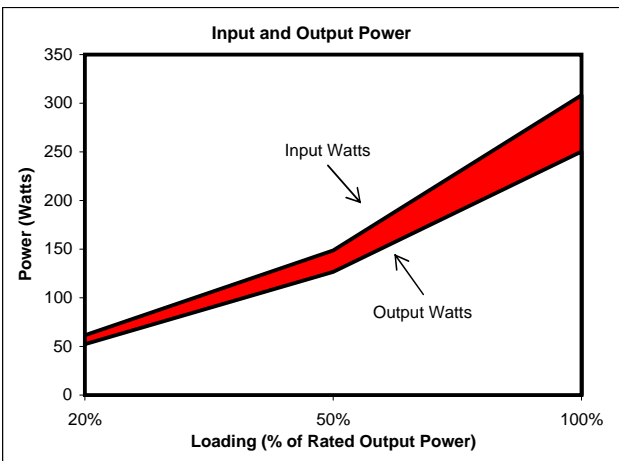
These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

Tested by Electric Power Research Institute, Knoxville, TN.

80 PLUS