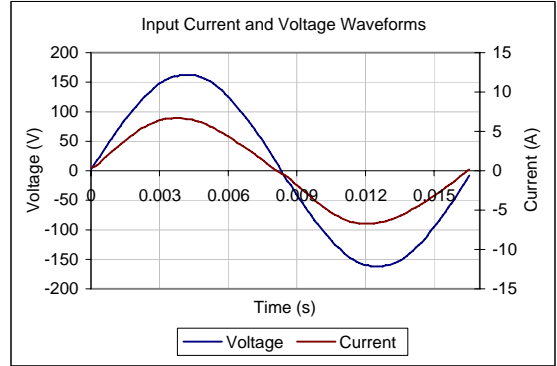


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	86.15%
AVERAGE EFFICIENCY :	84.76%
80 PLUS COMPLIANT:	YES

Ecos ID #	854
Manufacturer	FSP
Model Number	RPG-4514-00
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	9/11/2008

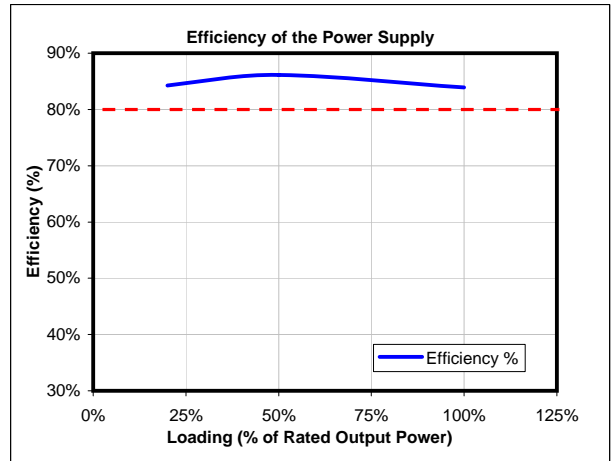
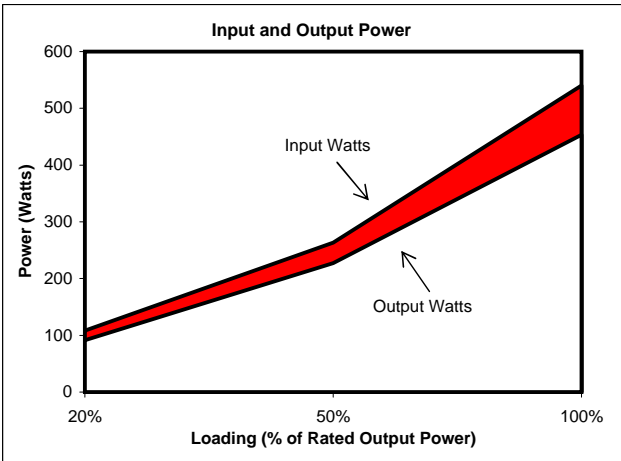


Input AC Current Waveform (ITHD = 8.12%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	450	Watts

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

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		
0.96	0.98	12.5%	20%	Light	108	12.2/5.8	0/0	3.4/2.3	5/2.3	5/0.4	91	84.24%
2.31	0.99	8.1%	50%	Typical	263	12.1/14.4	0/0	3.3/5.8	5/5.8	4.9/1	227	86.15%
4.71	1.00	4.5%	100%	Full	540	12.1/29.1	0/0	3.3/11.5	4.9/11.5	4.8/1.9	453	83.89%



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.

