

80 PLUS Verification and Testing Report

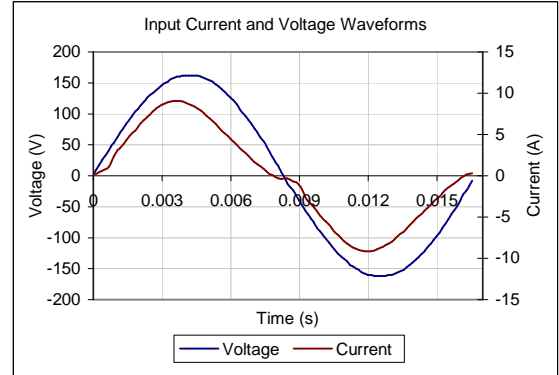


TYPICAL EFFICIENCY (50% Load):	83.71%
AVERAGE EFFICIENCY :	82.12%
80 PLUS COMPLIANT:	YES

Ecos ID #	340
Manufacturer	ACBEL
Model Number	FS7013
Serial Number	NA
Year	2007
Type	ATX
Test Date	8/7/2007

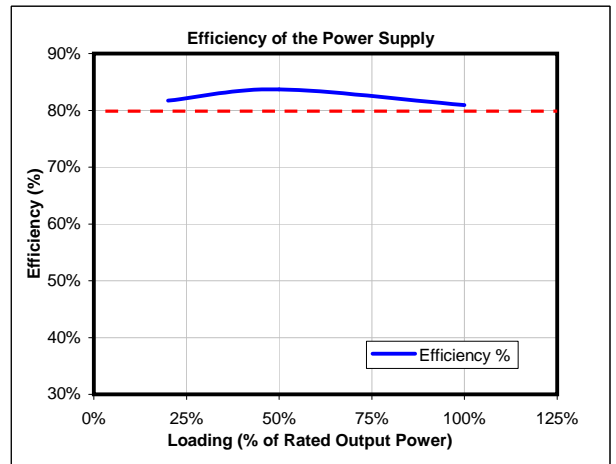
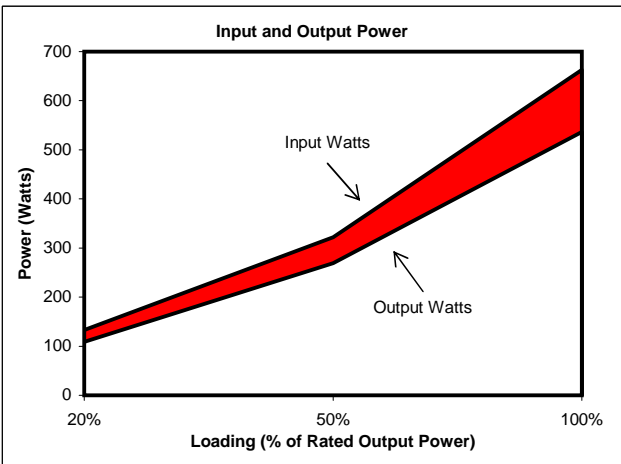
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	530	Watts

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



Input AC Current Waveform (ITHD = 23%, 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		
1.22	0.95	31.4%	20%	Light	133	12.4/6.3	12.1/0.1	3.3/2.5	5/3.6	5/0.5	109	81.74%
2.89	0.97	23.0%	50%	Typical	322	12.4/15.8	12.1/0.2	3.3/6.3	4.8/9	5/1.3	269	83.71%
5.88	0.98	16.0%	100%	Full	663	12.3/31.7	12.2/0.4	3.2/12.6	4.8/18	4.9/2.7	536	80.91%



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.