

80 PLUS Verification and Testing Report

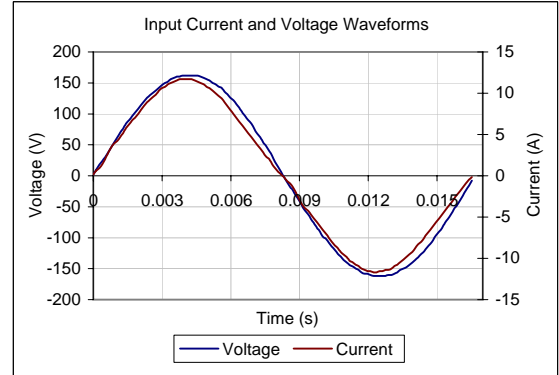


TYPICAL EFFICIENCY (50% Load):	83.60%
AVERAGE EFFICIENCY :	81.58%
80 PLUS COMPLIANT:	YES

Ecos ID #	337.4
Manufacturer	XIGMATEK Co., Ltd
Model Number	NRP-MC751
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	8/10/2007

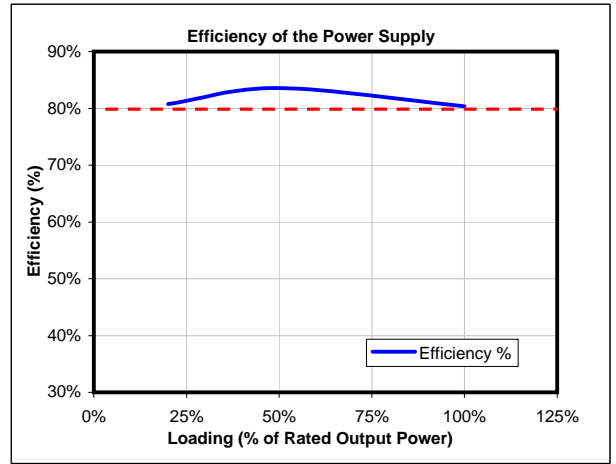
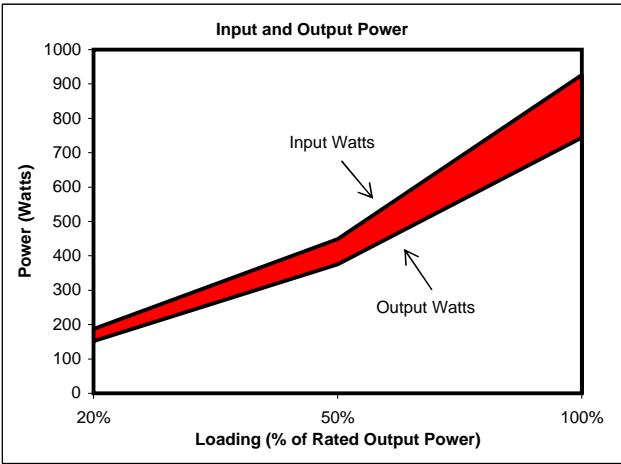
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	750	Watts

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



Input AC Current Waveform (ITHD = 6.04%, 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		
1.65	0.99	7.1%	20%	Light	187	12.1/9.7	12.2/0.2	3.3/3.6	5.1/3.4	4.9/0.6	151	80.78%
3.92	1.00	6.0%	50%	Typical	449	12/24.3	12.2/0.4	3.3/9.1	4.9/8.5	4.9/1.5	375	83.60%
8.07	1.00	5.4%	100%	Full	926	11.9/48.4	12.3/0.8	3.2/18.1	4.9/17	4.8/3	744	80.36%



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.