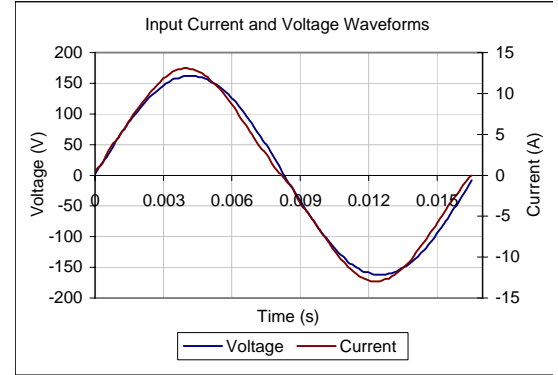


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	83.72%
AVERAGE EFFICIENCY :	81.71%
80 PLUS COMPLIANT:	YES

Ecos ID #	338.4
Manufacturer	XIGMATEK Co., Ltd
Model Number	NRP-MC851
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	8/13/2007

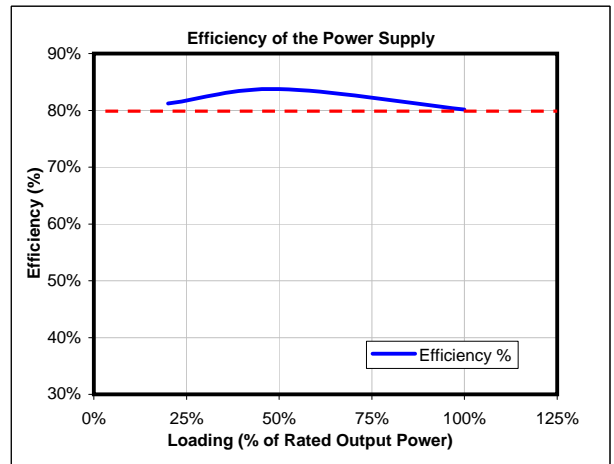
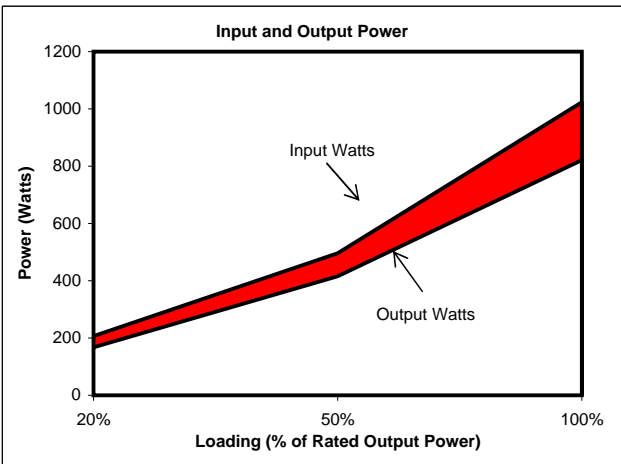


Input AC Current Waveform (ITHD = 6.87%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	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		
1.83	0.98	8.7%	20%	Light	207	12.1/10.4	12.2/0.2	3.3/4.3	5.1/4.3	5.1/0.6	168	81.24%
4.34	0.99	6.9%	50%	Typical	496	12.1/26.1	12.3/0.4	3.3/10.8	4.9/10.8	5/1.5	415	83.72%
8.93	1.00	5.8%	100%	Full	1024	12/52.1	12.3/0.8	3.2/21.5	4.9/21.7	4.9/3	821	80.16%



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.