

80 PLUS Verification and Testing Report

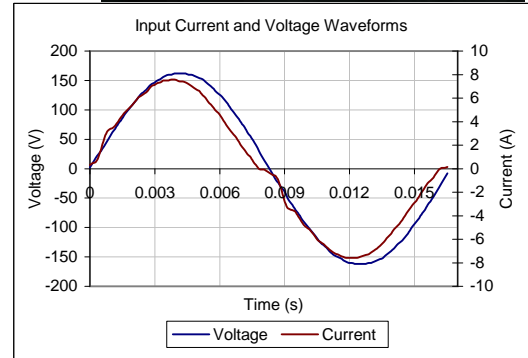


TYPICAL EFFICIENCY (50% Load):	85.01%
AVERAGE EFFICIENCY :	84.89%
80 PLUS COMPLIANT:	YES

Ecos ID #	1122.1
Manufacturer	XIGMATEK
Model Number	NRP-PC502
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	11/14/2008

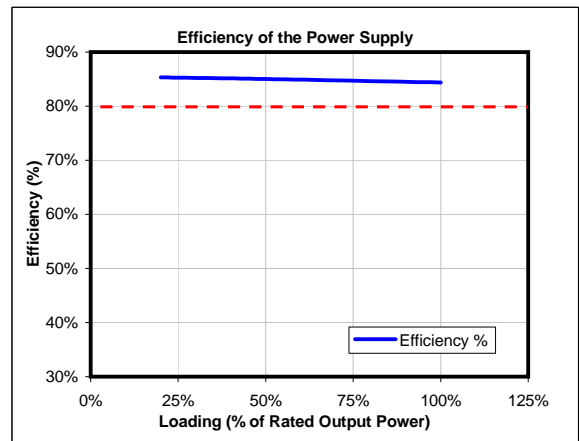
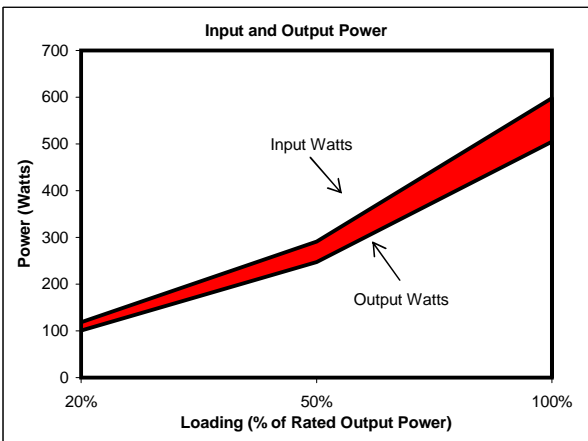
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 13.32%, 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
1.05	0.98	7.9%	20%	Light	118	12.1/6.4	11.6/0	3.3/3.2	5/2	5/0.4	101	85.31%
2.61	0.97	13.3%	50%	Typical	291	12.1/16	11.6/0.1	3.3/8	5/5	5/0	247	85.01%
5.26	0.99	7.6%	100%	Full	598	12.2/32	11.7/0.3	3.3/16	4.9/10	5/2.2	505	84.36%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

