

80 PLUS Verification and Testing Report

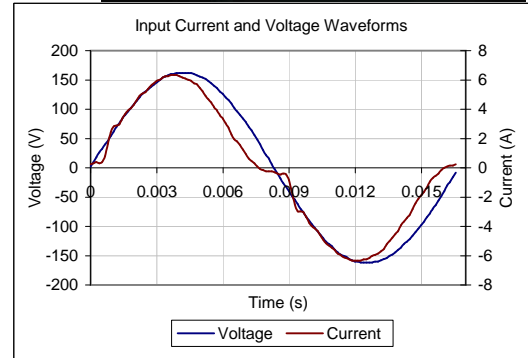


TYPICAL EFFICIENCY (50% Load):	86.44%
AVERAGE EFFICIENCY :	84.90%
80 PLUS COMPLIANT:	YES

Ecos ID #	1121.1
Manufacturer	XIGMATEK
Model Number	NRP-PC402
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	11/14/2008

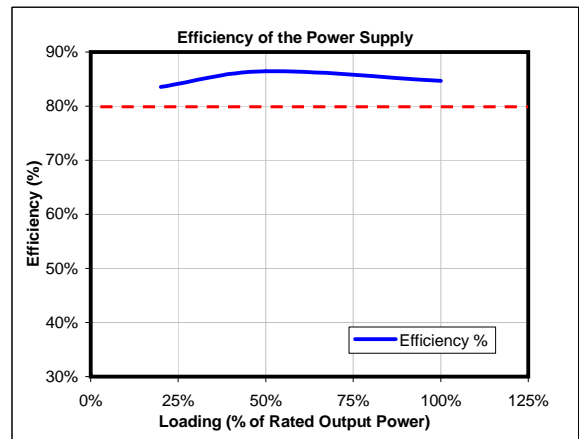
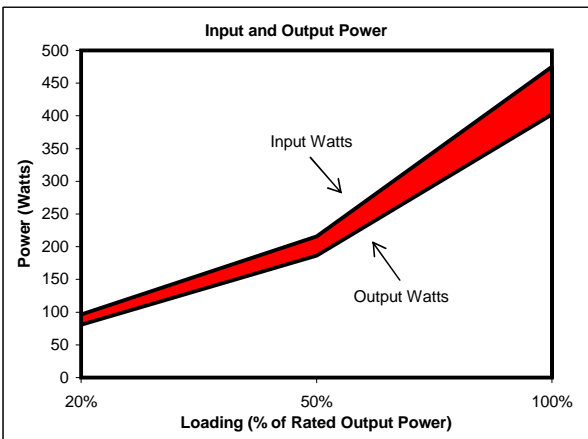
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 20.6%, 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
0.86	0.97	15.4%	20%	Light	96	12.1/4.9	11.6/0	3.3/2.9	5/1.8	5/0.4	80	83.57%
1.95	0.96	20.6%	50%	Typical	216	12/12.4	11.5/0.1	3.3/7.2	5/1.8	5/1	187	86.44%
4.22	0.98	14.6%	100%	Full	475	12.1/24.7	11.8/0.2	3.3/14.3	4.9/8.9	5/1.9	402	84.68%



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.