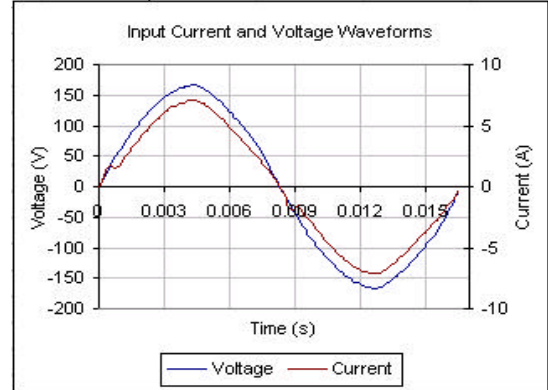


80 Plus Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.54%
AVERAGE EFFICIENCY :	82.69%
80 PLUS COMPLIANT:	YES



Ecos ID #	28
Manufacturer	Enhance Electronics
Model Number	ENP-5146GH
Serial Number	pre-production sample
Year	2005
Type	ATX12V
Test Date	10/6/2005

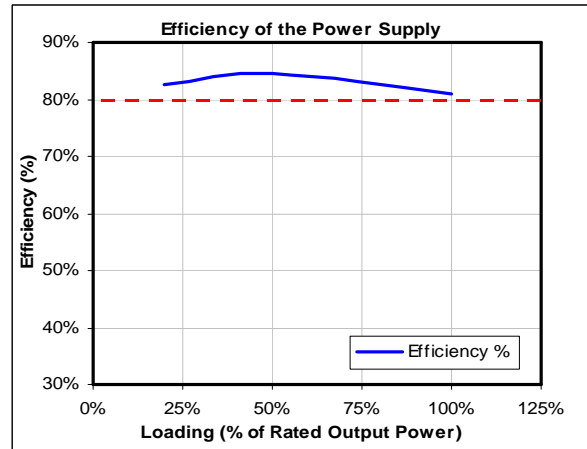
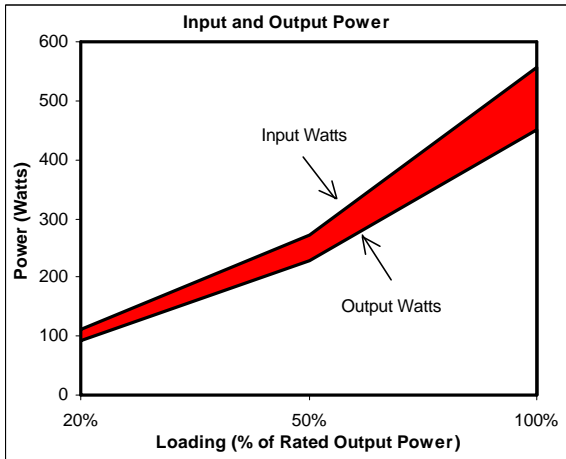


Input AC Current Waveform ($I_{THD} = 6.2\%$, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	10 - 5	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	460	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 %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.99	0.97	7.3%	20%	Light	112	12.1/2.9	12.1/2.9	12.1/0.05	3.3/3.1	5.1/2.1	5.0/0.5	92	82.61%
2.36	1.00	6.2%	50%	Typical	271	12.0/7.1	12.0/7.1	12.0/0.1	3.2/7.7	4.9/5.2	4.9/1.2	229	84.54%
4.83	1.00	6.2%	100%	Full	556	11.9/14.3	11.9/14.3	12.1/0.2	3.1/15.4	4.8/10.5	4.8/2.4	450	80.93%



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/>

