

80 PLUS Verification and Testing Report

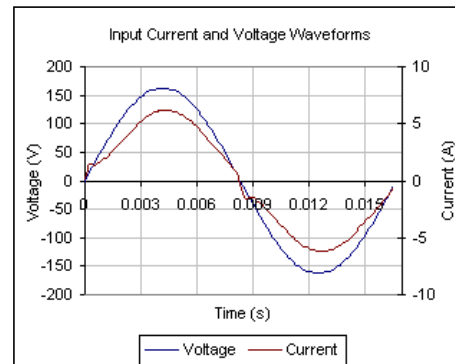
TYPICAL EFFICIENCY (50% Load):	83.20%
AVERAGE EFFICIENCY :	81.71%
80 PLUS COMPLIANT:	YES



Ecos ID #	35
Manufacturer	Enhance Electronics
Model Number	ENP-3640
Serial Number	Pre-production sample
Year	2005
Type	ATX12V
Test Date	1/23/2006

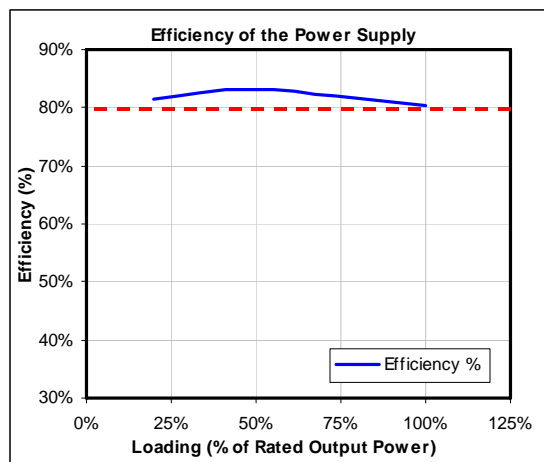
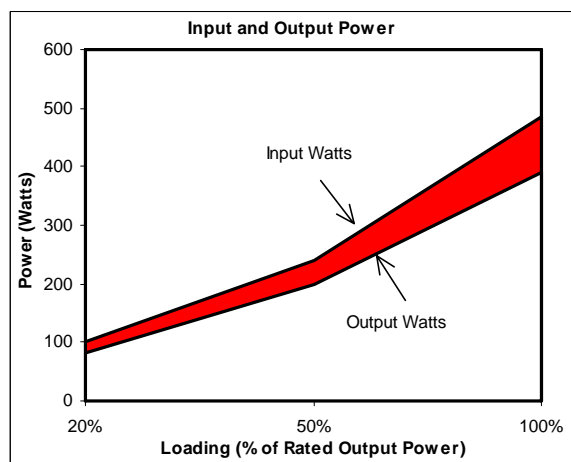
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	6 - 3	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform ($I_{THD} = 6.6\%$, 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 %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.87	0.99	7.2%	20%	Light	100	12.3/2.3	12.3/2.3	10.8/0.04	3.3/2.2	5.0/3.1	5.0/0.4	81	81.59%
2.10	1.00	6.6%	50%	Typical	240	12.1/5.7	12.1/5.7	11.1/0.1	3.2/5.5	4.9/7.7	4.9/1.0	199	83.20%
4.25	0.99	7.4%	100%	Full	486	12.0/11.4	11.9/11.4	11.2/0.2	3.0/11.1	4.8/15.5	4.9/1.9	390	80.33%



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/>

