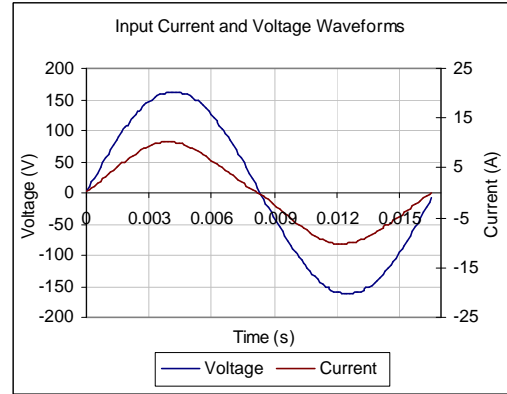


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	83.83%
AVERAGE EFFICIENCY :	81.93%
80 PLUS COMPLIANT:	YES



Ecos ID #	122
Manufacturer	Enermax
Model Number	EIN650AWT
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	11/29/2006

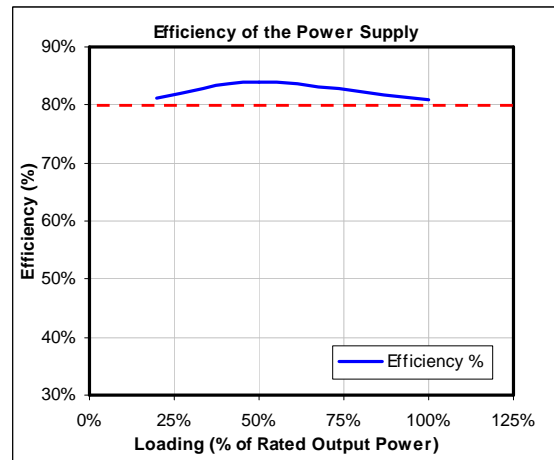
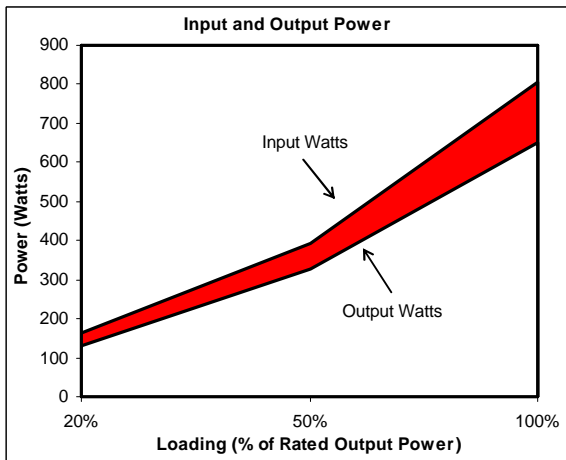


Input AC Current Waveform (ITHD = 6.38%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	8.5 - 4	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	650	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	12V3	-12V	3.3V	5V*	5VSB		
1.43	0.99	6.5%	20%	Light	164	12.3/2.7	12.2/2.7	12.3/2.9	11.4/0.1	3.3/2.8	5.1/3.3	5.1/0.5	133	81.08%
3.43	0.99	6.4%	50%	Typical	392	12.2/6.8	12.1/6.8	12.3/7.3	11.5/0.2	3.3/6.9	5/8.3	5.1/1.2	329	83.83%
7.01	1.00	6.2%	100%	Full	805	12.1/13.6	12/13.7	12.2/14.6	11.6/0.5	3.2/13.9	4.9/16.6	4.9/2.4	651	80.89%



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 EPRI Solutions Inc., Knoxville, TN.

