

80 PLUS Verification and Testing Report

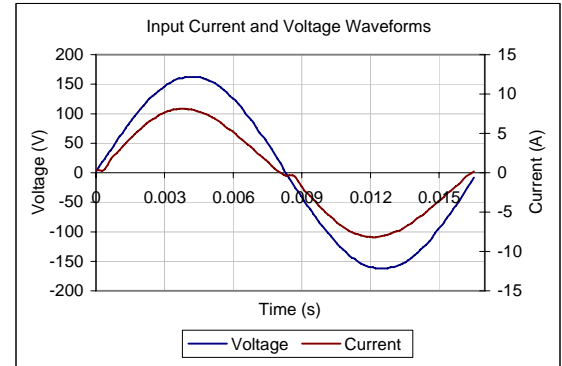
TYPICAL EFFICIENCY (50% Load):	85.26%
AVERAGE EFFICIENCY :	83.60%
80 PLUS COMPLIANT:	YES



Ecos ID #	519
Manufacturer	ENERMAX
Model Number	EMD525AWT
Serial Number	7BB0019911
Year	2008
Type	ATX12V
Test Date	1/31/2008

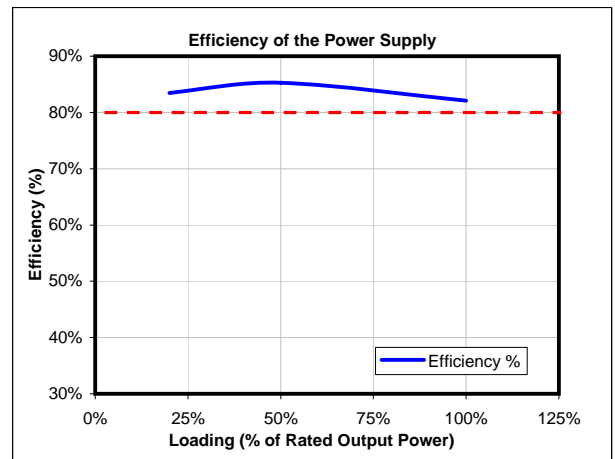
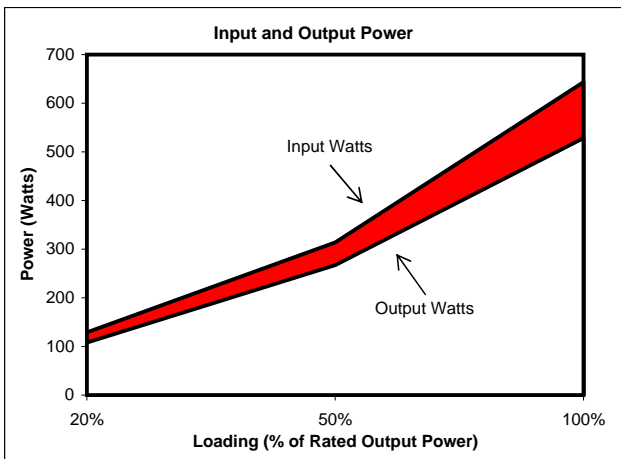
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	525	Watts

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



Input AC Current Waveform (ITHD = 12.48%, 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		
1.15	0.98	20.0%	20%	Light	129	12.3/6.5	12/0.1	3.4/2.8	5.1/2.7	5.2/0.5	108	83.43%
2.76	0.99	12.5%	50%	Typical	314	12.3/16.4	12.1/0.2	3.3/6.9	5.1/6.9	5.1/1.2	267	85.26%
5.62	1.00	8.0%	100%	Full	643	12.1/32.7	12.1/0.5	3.3/13.7	5/13.8	5/2.5	528	82.11%



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/>

