

80 PLUS Verification and Testing Report

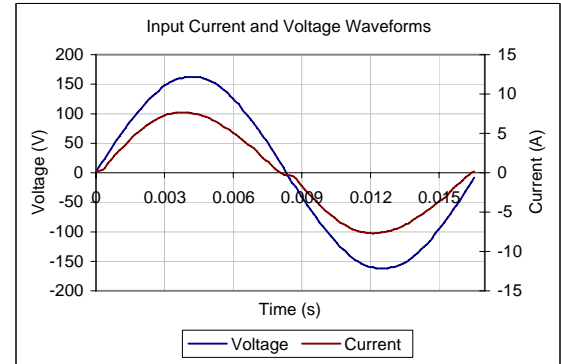
TYPICAL EFFICIENCY (50% Load): 84.38%
AVERAGE EFFICIENCY : 82.89%
80 PLUS COMPLIANT: YES



Ecos ID #	779
Manufacturer	ENERMAX
Model Number	EES500AWT
Serial Number	7958863982
Year	2008
Type	ATX12V
Test Date	6/19/2008

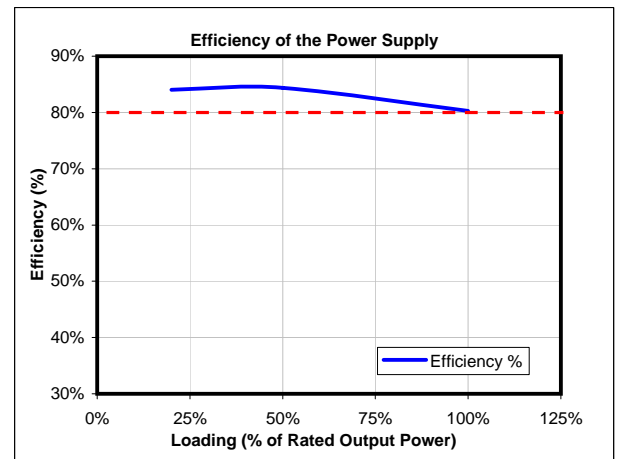
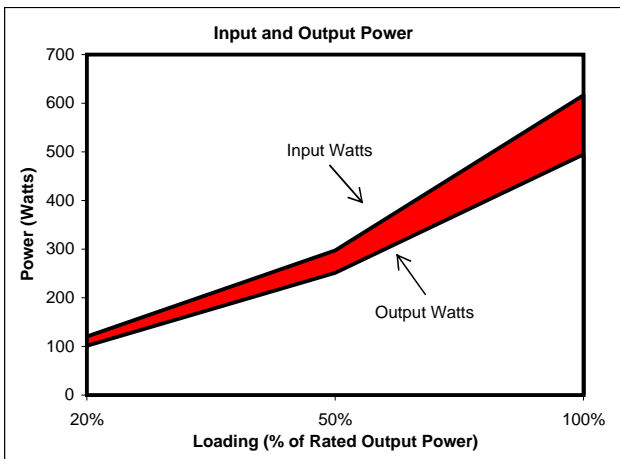
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 12.14%, 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		
1.06	0.99	12.2%	20%	Light	120	12.1/6.3	11.8/0.1	3.4/2.6	5/2.6	5.1/0.5	101	84.00%
2.61	0.99	12.1%	50%	Typical	298	12.1/15.7	11.8/0.2	3.3/6.4	4.9/6.4	5/1.2	251	84.38%
5.38	1.00	6.3%	100%	Full	616	12/31.3	11.9/0.5	3.2/12.8	4.7/12.8	4.9/2.5	495	80.30%



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/>

