

80 PLUS Verification and Testing Report

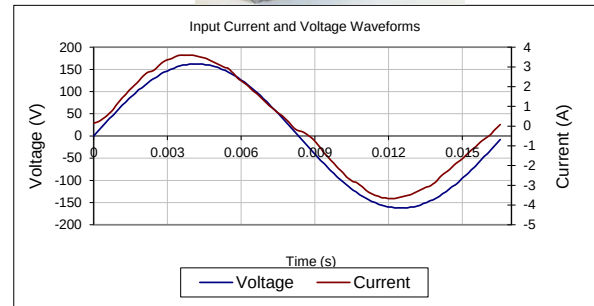
TYPICAL EFFICIENCY (50% Load):	87.33%
AVERAGE EFFICIENCY :	85.70%
80 PLUS COMPLIANT:	YES



Ecos ID #	4566.1
Manufacturer	Enermax Technology Corporation
Model Number	ETP500AWT
Serial Number	N/A
Year	2016
Type	ATX12V
Test Date	3/30/16

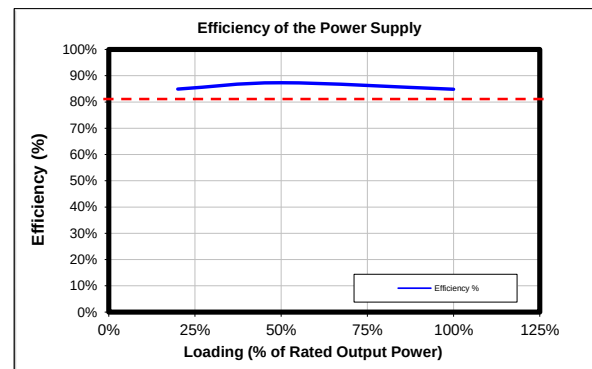
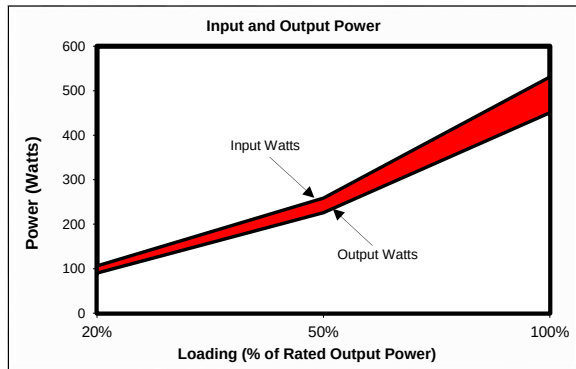
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	7.0	Amps
Input Frequency	47-63	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 7.83%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
0.52	0.94	22.72%	10%	56.19	11.94/2.95	11.59/0.02	3.39/1.06	5.13/1	5.11/0.19	45.08	80.24%
0.95	0.98	15.54%	20%	106.40	11.95/5.89	11.59/0.05	3.38/2.12	5.12/1.99	5.1/0.39	90.35	84.91%
2.26	0.99	7.83%	50%	258.80	11.96/14.75	11.65/0.12	3.37/5.3	5.11/4.97	5.09/0.97	226.00	87.33%
4.63	1.00	5.47%	100%	530.90	11.98/29.42	11.75/0.23	3.35/10.58	5.07/9.93	5.06/1.93	450.49	84.85%



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/>

