

80 PLUS Verification and Testing Report

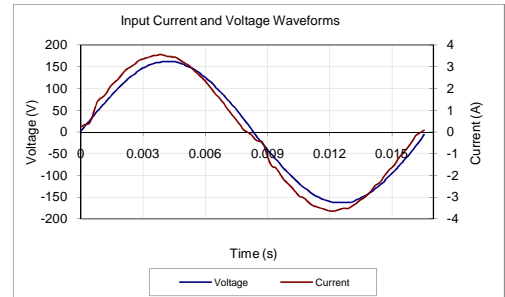
TYPICAL EFFICIENCY (50% Load):	86.31%
AVERAGE EFFICIENCY :	84.42%
80 PLUS COMPLIANT:	YES



Ecos ID #	2421
Manufacturer	Topower Computer Industrial Co., Ltd.
Model Number	TOP-500D
Serial Number	09081031
Year	2011
Type	ATX12V,EPS12V,PS2
Test Date	1/21/2011

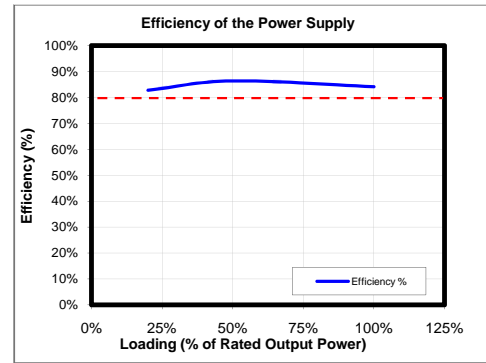
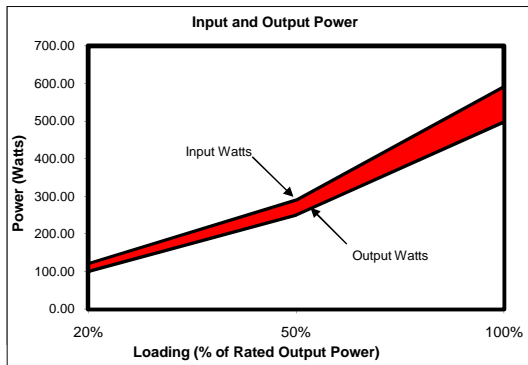
Rated Specifications	Value	Units
Input Voltage	115	Volts
Input Current	10	Amps
Input Frequency	60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 5.27%, 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		
1.09	0.97	16.20%	20%	Light	121.52	11.9/6.3	11.8/0.1	3.4/2.6	5.2/2.6	5.1/0.4	100.62	82.80%
2.54	0.99	5.27%	50%	Typical	290.40	11.9/15.7	11.8/0.3	3.4/6.5	5.1/6.5	5.1/1	250.63	86.31%
5.16	1.00	3.77%	100%	Full	592.10	11.9/31.4	11.8/0.5	3.3/12.9	5.1/13	5.1/2	498.27	84.15%



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/>

