

80 PLUS Verification and Testing Report

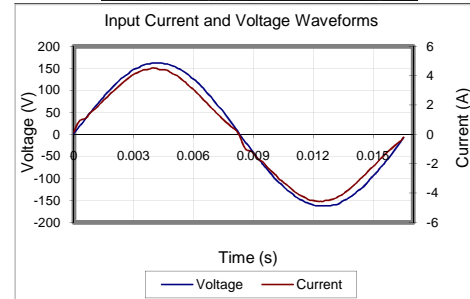
TYPICAL EFFICIENCY (50% Load):	85.12%
AVERAGE EFFICIENCY :	83.41%
80 PLUS COMPLIANT:	YES



Ecos ID #	1748.1
Manufacturer	TOPOWER COMPUTER INDUSTRIAL CO., LTD.
Model Number	TOP-FLEX-300W
Serial Number	N/A
Year	2009
Type	FLEX & ATX12V
Test Date	10/29/2009

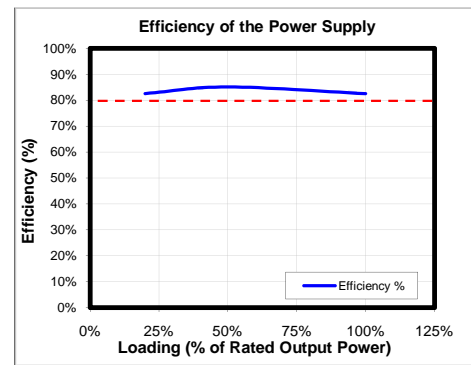
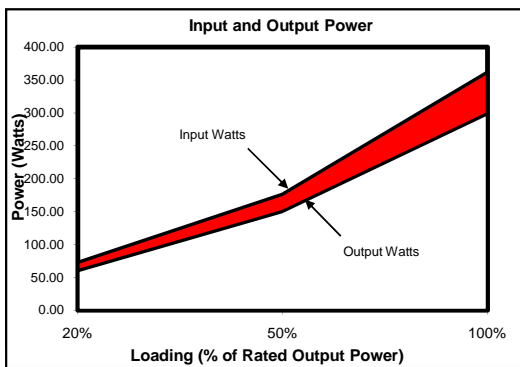
Rated Specifications	Value	Units
Input Voltage	88-264	Volts
Input Current	N/A	Amps
Input Frequency	N/A	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 8.12%, 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
0.66	0.9669	5.70%	20%	Light	72.84	12/3.9					11.7/0.1	3.3/1.3	5.1/1.3	5.1/0.3	60.14	82.57%
1.56	0.9878	8.12%	50%	Typical	176.78	12/9.7					11.7/0.2	3.3/3.3	5.1/3.3	5.1/0.8	150.48	85.12%
3.16	0.9948	5.18%	100%	Full	362.30	11.9/19.4					11.8/0.4	3.2/6.6	5/6.6	5/1.6	299.05	82.54%



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/>

