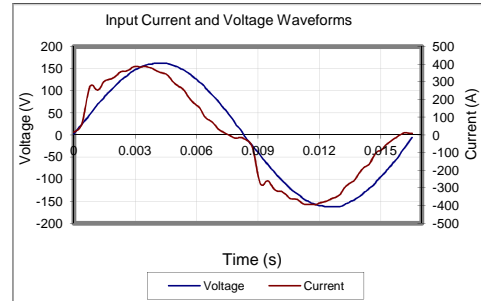


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.28%
AVERAGE EFFICIENCY :	84.66%
80 PLUS COMPLIANT:	YES



Ecos ID #	2326.2
Manufacturer	High Power Electronic Co., Ltd.
Model Number	HPG-500BR-F12/14S (C)
Serial Number	N/A
Year	2010
Type	ATX12V
Test Date	11/29/2010

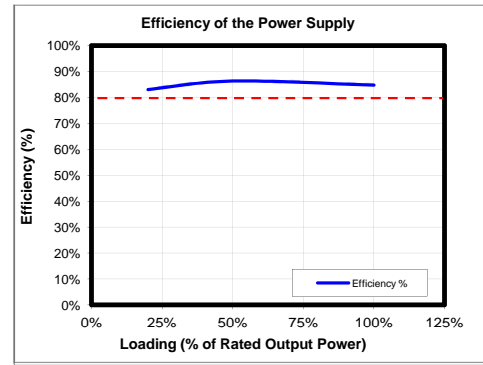
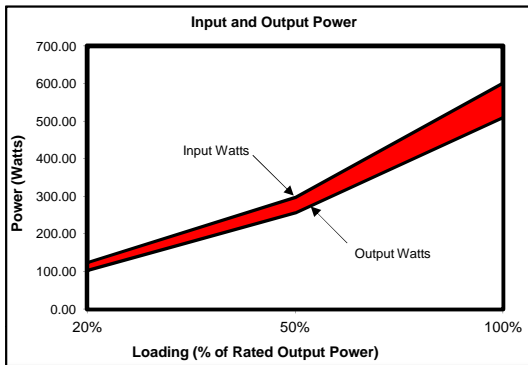


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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

Input AC Current Waveform (ITHD = 14.05%, 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.)						
1.17	0.92	27.77%	20%	Light	124.00	12.3/6.2	12/0	3.4/2.7	5.2/2.7	5.1/0.5	102.87	82.96%
2.72	0.95	14.05%	50%	Typical	297.00	12.3/15.5	12/0.1	3.4/6.7	5.2/6.7	5.1/1.3	256.25	86.28%
5.33	0.98	8.05%	100%	Full	601.50	12.2/31.1	12/0.3	3.4/13.4	5.1/13.4	5/2.6	509.68	84.73%



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/>

