

80 PLUS Verification and Testing Report

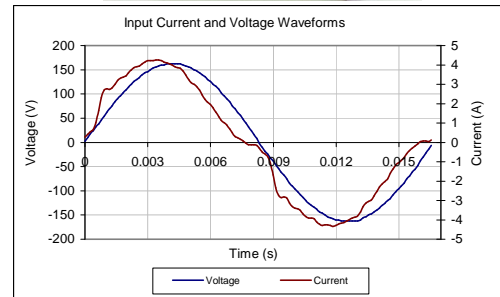
TYPICAL EFFICIENCY (50% Load):	86.43%
AVERAGE EFFICIENCY :	84.68%
80 PLUS COMPLIANT:	YES



Ecos ID #	2418
Manufacturer	High Power Electronics Co., Ltd.
Model Number	HPC-550-B14S(C)
Serial Number	N/A
Year	2011
Type	ATX12V
Test Date	1/20/2011

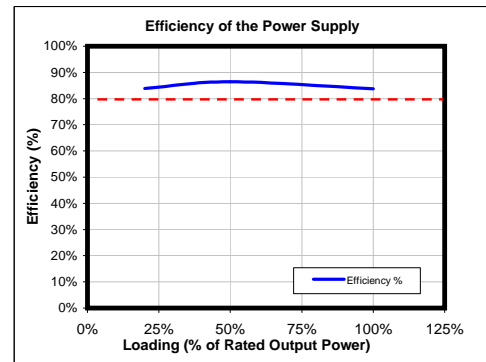
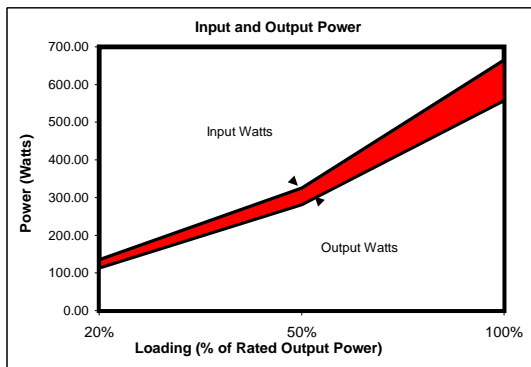
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 12.36%, 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
1.30	0.91	28.05%	20%	Light	134.95	12.3/6.9		12/0	3.4/2.8	5.2/2.9	5.1/0.5	113.12	83.82%
2.94	0.96	12.36%	50%	Typical	325.40	12.2/17.3		12/0.1	3.4/7.1	5.2/7.1	5.1/1.4	281.25	86.43%
5.85	0.99	7.20%	100%	Full	664.80	12.1/34.6		12.1/0.3	3.4/14.1	5.1/14.2	5/2.7	557.05	83.79%



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/>

