

## 80 PLUS Verification and Testing Report

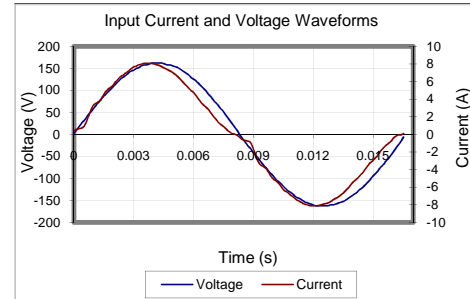
TYPICAL EFFICIENCY (50% Load):	91.04%
AVERAGE EFFICIENCY :	89.63%
80 PLUS COMPLIANT:	YES



Ecos ID #	1806
Manufacturer	HIGH POWER ELECTRONICS CO., LTD.
Model Number	HP-550-G14S(C)-GOLD
Serial Number	N/A
Year	2009
Type	ATX12V & EPS12V
Test Date	12/2/2009

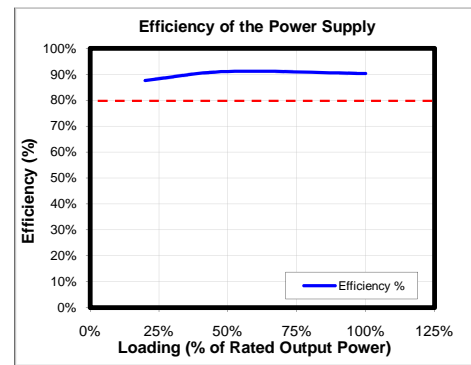
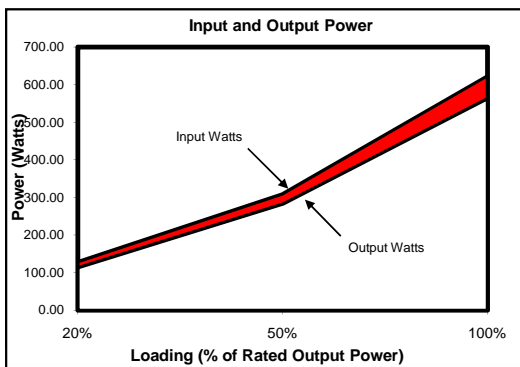
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 16.02%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)						
1.24	0.9246	27.14%	20%	Light	129.15	12.3/7					113.11	87.58%
2.77	0.9721	16.02%	50%	Typical	310.20	12.3/17.5					282.42	91.04%
5.48	0.9890	9.99%	100%	Full	624.20	12.3/35.1					563.48	90.27%



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/>

