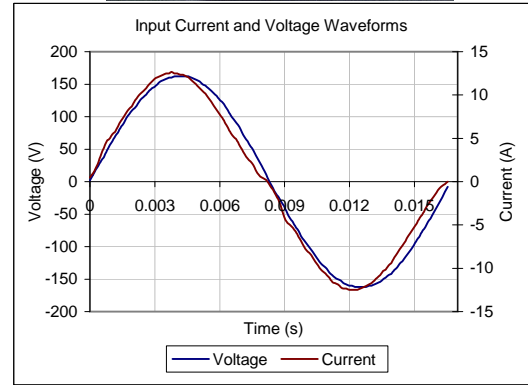


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>89.12%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>87.41%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	1191
<b>Manufacturer</b>	HIGH POWER
<b>Model Number</b>	HP-850-G14S(C)-SILVER
<b>Serial Number</b>	N/A
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	1/2/2009

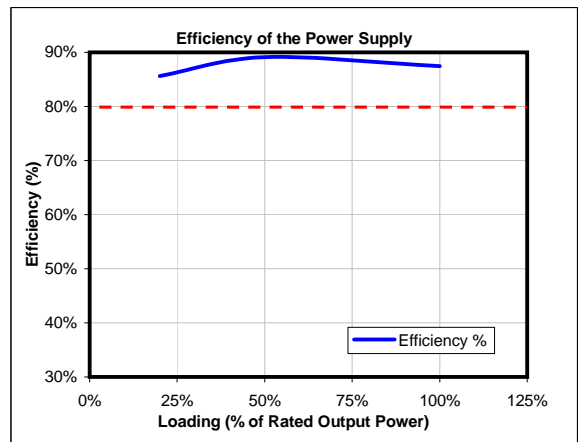
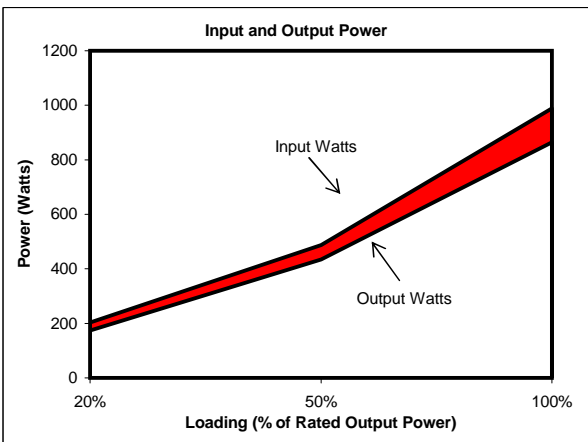


Input AC Current Waveform (ITHD = 9.25%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>850</b>	<b>Watts</b>

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

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.)	-12V	3.3V	5V*	5VSB		
1.88	0.94	9.9%	20%	Light	203	12.2/11.2	11.9/0.1	3.3/3.7	5.2/4	5.2/0.5	174	85.62%
4.31	0.98	9.3%	50%	Typical	488	12.2/27.9	11.9/0.4	3.3/9.2	5.2/9.9	5.1/1.3	435	89.12%
8.65	0.99	5.8%	100%	Full	988	12.2/55.8	12/0.7	3.3/18.3	5.2/19.7	5.1/2.7	865	87.48%



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/>

