

# 80 PLUS Verification and Testing Report

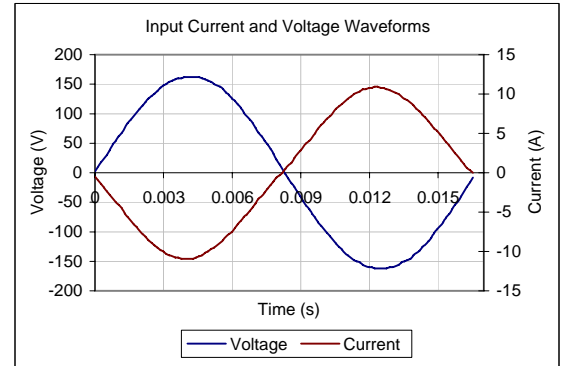


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.77%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.16%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	982
<b>Manufacturer</b>	HIGH POWER
<b>Model Number</b>	HP-700-G14C Rev: A
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	10/2/2008

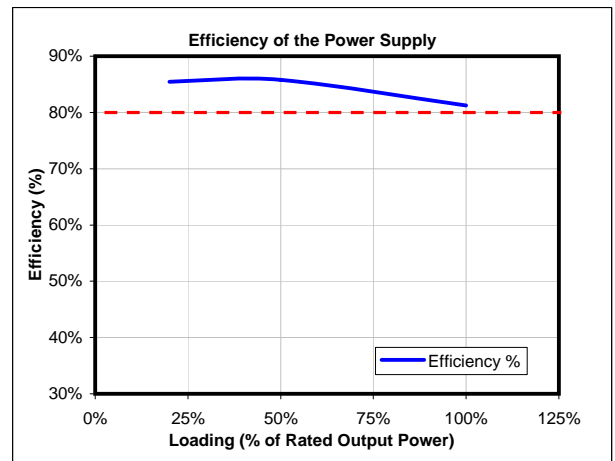
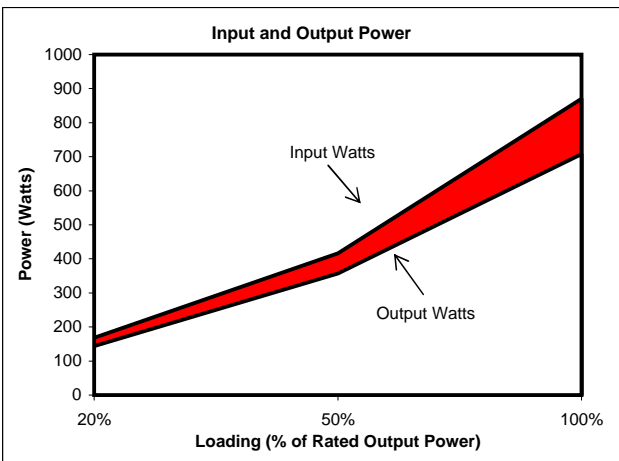
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>700</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 6.17%, 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.)	-12V	3.3V	5V*	5VSB		
1.50	0.98	14.2%	20%	Light	168	12.3/9	12/0.1	3.4/3.5	5.1/3.5	5.2/0.5	143	85.46%
3.64	0.99	6.2%	50%	Typical	416	12.2/22.5	12.1/0.1	3.4/8.8	5.1/8.7	5.1/1.2	357	85.77%
7.59	1.00	4.1%	100%	Full	871	12.1/45	12.3/0.3	3.3/17.5	5.1/17.6	5/2.4	707	81.27%



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/>

