

80 PLUS Verification and Testing Report

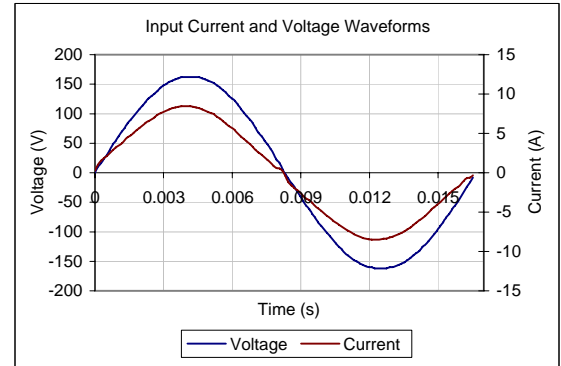


TYPICAL EFFICIENCY (50% Load):	85.62%
AVERAGE EFFICIENCY :	83.68%
80 PLUS COMPLIANT:	YES

Ecos ID #	641
Manufacturer	HIGH POWER
Model Number	HP-700-G14C
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	5/8/2008

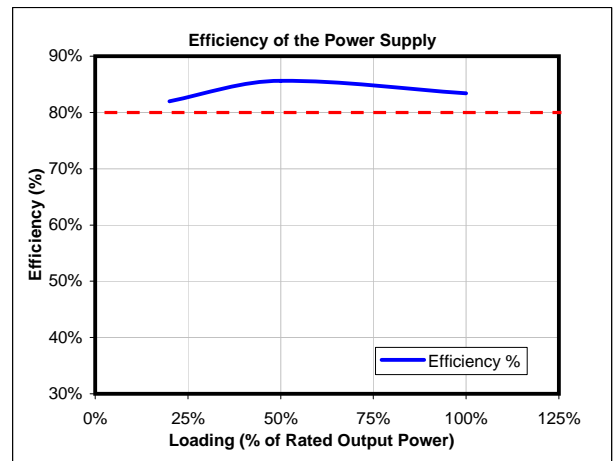
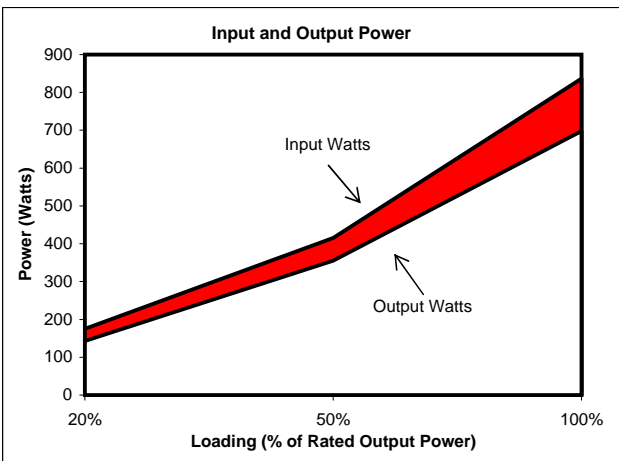
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 3.42%, 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		
1.55	0.98	5.5%	20%	Light	175	12.3/8.7	11.9/0.1	3.4/3.6	5.2/3.9	5.2/0.5	143	81.99%
3.63	1.00	3.4%	50%	Typical	415	12.2/21.8	12/0.3	3.3/9	5.1/9.6	5.1/1.3	356	85.62%
7.29	1.00	3.2%	100%	Full	837	12.1/43.6	12/0.7	3.2/17.9	4.9/19.3	4.9/2.6	698	83.42%



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/>

