

80 PLUS Verification and Testing Report

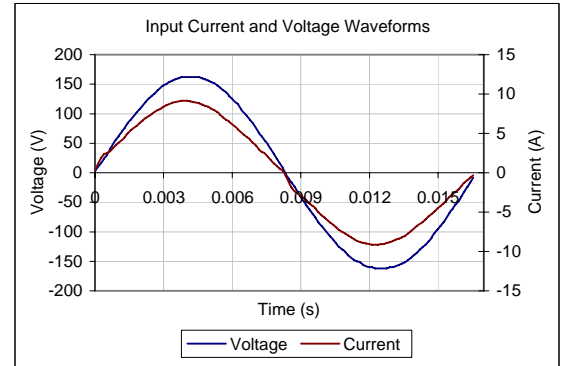


TYPICAL EFFICIENCY (50% Load):	84.76%
AVERAGE EFFICIENCY :	82.99%
80 PLUS COMPLIANT:	YES

Ecos ID #	816
Manufacturer	HIGH POWER
Model Number	HP-650-G14C
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	7/9/2008

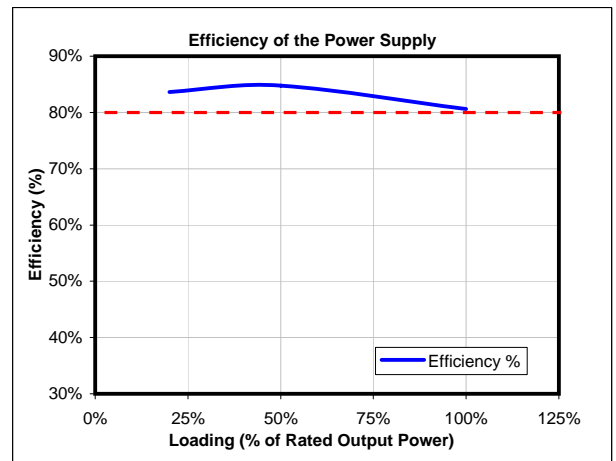
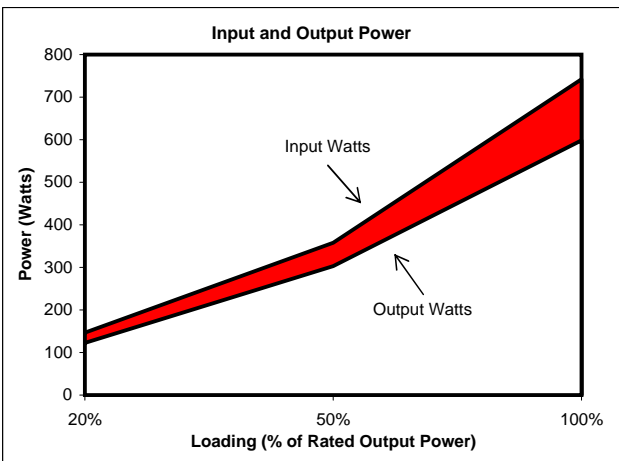
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 3.8%, 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
1.31	0.97	9.5%	20%	Light	147	12.3/7.7	12.1/0	3.4/3	5/3	5.1/0.4	123	83.62%
3.13	0.99	3.8%	50%	Typical	358	12.2/19.3	12.2/0.1	3.3/7.5	5/7.5	5/1	303	84.76%
6.47	1.00	4.5%	100%	Full	742	12.1/38.5	12.6/0.2	3.1/15	4.8/15	4.8/2.1	598	80.60%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.