

# 80 PLUS Verification and Testing Report

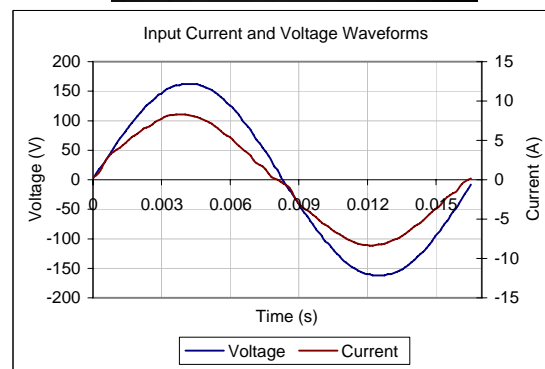
**TYPICAL EFFICIENCY (50% Load):** 84.65%  
**AVERAGE EFFICIENCY :** 82.81%  
**80 PLUS COMPLIANT:** YES



Ecos ID #	635
Manufacturer	HIGH POWER
Model Number	HP-550-G14S(C)
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	4/29/2008

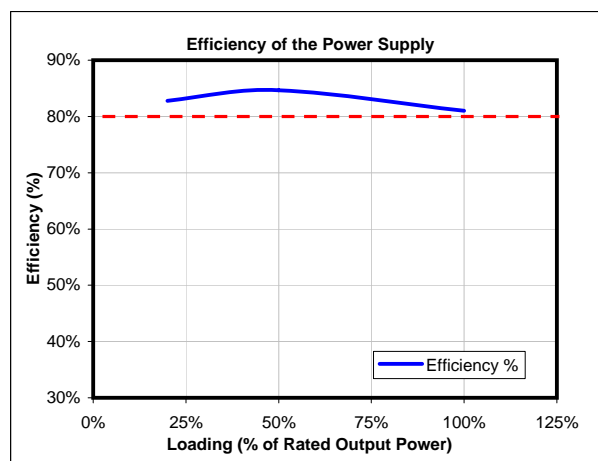
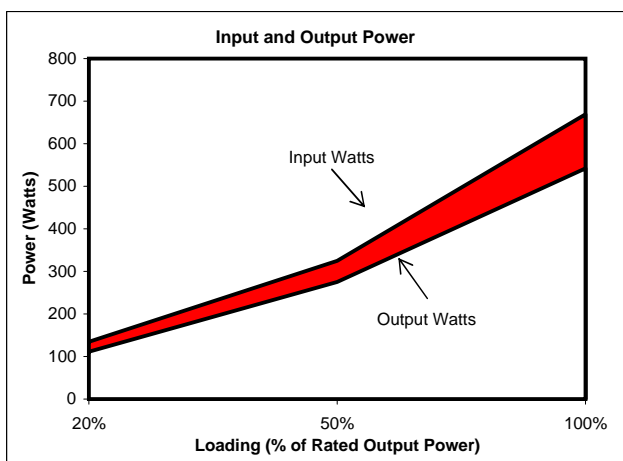
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 6.95%, 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		
1.20	0.97	15.2%	20%	Light	134	12.1/6.7	11.9/0	3.4/3.2	5/3.2	5.1/0.5	111	82.80%
2.88	0.98	7.0%	50%	Typical	325	12/16.8	12/0.1	3.3/8	4.9/8	5/1.1	275	84.65%
5.85	0.99	3.7%	100%	Full	669	11.9/33.6	12.3/0.3	3.2/16	4.7/16.1	4.9/2.2	542	80.99%



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.

