

80 PLUS Verification and Testing Report

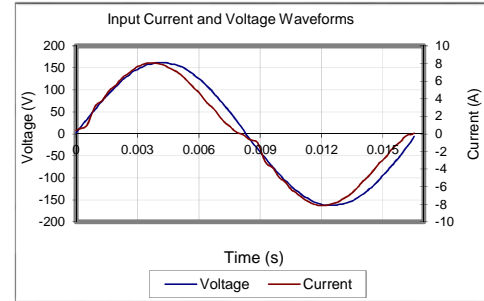
TYPICAL EFFICIENCY (50% Load):	91.04%
AVERAGE EFFICIENCY :	89.63%
80 PLUS COMPLIANT:	YES



Ecos ID #	1806.5
Manufacturer	Chieftec
Model Number	GPM-550S
Serial Number	N/A
Year	2009
Type	ATX12V & EPS12V
Test Date	12/2/2009

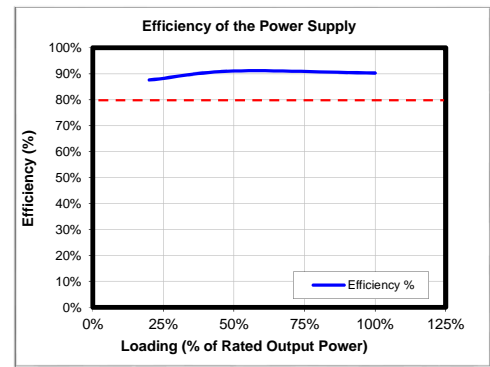
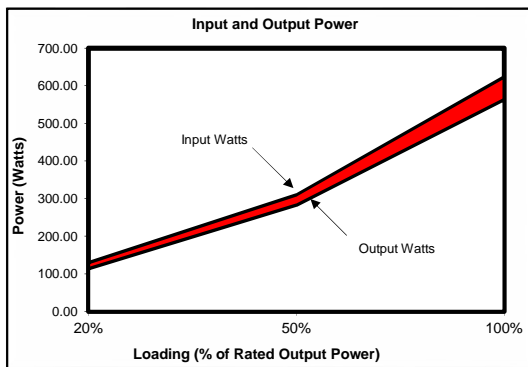
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 16.02%, 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		
1.24	0.92	27.14%	20%	Light	129.15	12.3/7	12/0.1	3.4/2.8	5.2/2.7	5.2/0.5	113.11	87.58%
2.77	0.97	16.02%	50%	Typical	310.20	12.3/17.5	11.9/0.2	3.4/6.9	5.2/6.9	5.2/1.1	282.42	91.04%
5.48	0.99	9.99%	100%	Full	624.20	12.3/35.1	11.9/0.4	3.4/13.7	5.2/13.7	5.1/2.3	563.48	90.27%



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/>

