

80 PLUS Verification and Testing Report

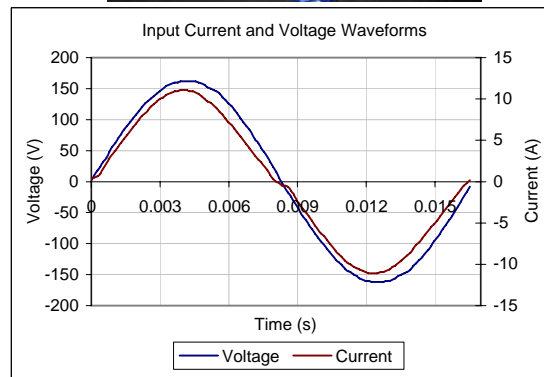
TYPICAL EFFICIENCY (50% Load):	84.74%
AVERAGE EFFICIENCY :	82.85%
80 PLUS COMPLIANT:	YES



Ecos ID #	535.1
Manufacturer	FSP
Model Number	FSP680-80GCM
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	3/6/2008

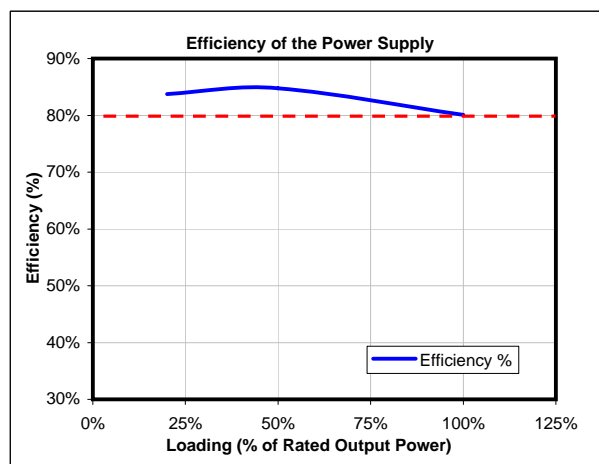
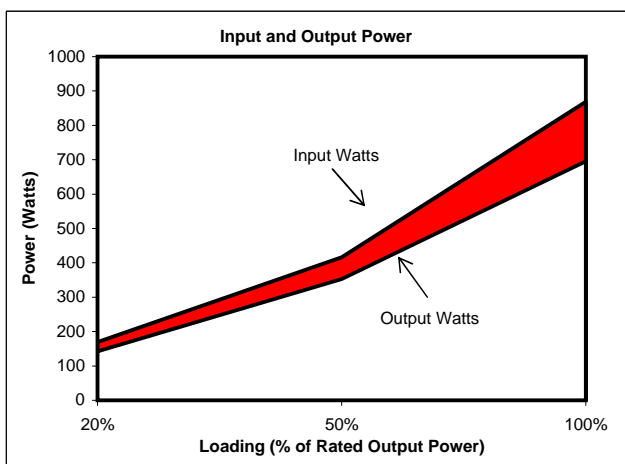
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 12.61%, 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		
1.51	0.98	18.6%	20%	Light	170	12.1/8.7	12.2/0.2	3.3/4.1	5.1/3.4	5.1/0.6	142	83.72%
3.66	0.99	12.6%	50%	Typical	417	12.1/21.8	12.3/0.4	3.2/10.4	5/8.6	4.9/1.5	353	84.74%
7.58	1.00	7.5%	100%	Full	869	12/43.5	12.3/0.8	3.1/20.6	4.9/17.3	4.7/3.1	696	80.10%



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/>

