

80 PLUS Verification and Testing Report

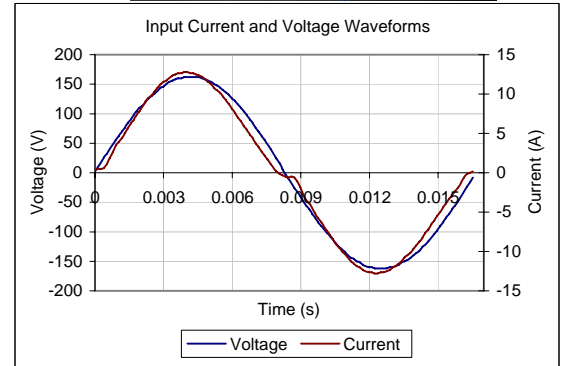


TYPICAL EFFICIENCY (50% Load):	83.88%
AVERAGE EFFICIENCY :	81.67%
80 PLUS COMPLIANT:	YES

Ecos ID #	748
Manufacturer	FSP
Model Number	FSP780-80GCM
Serial Number	N/A
Year	2008
Type	ATX12V & EPS12V
Test Date	5/28/2008

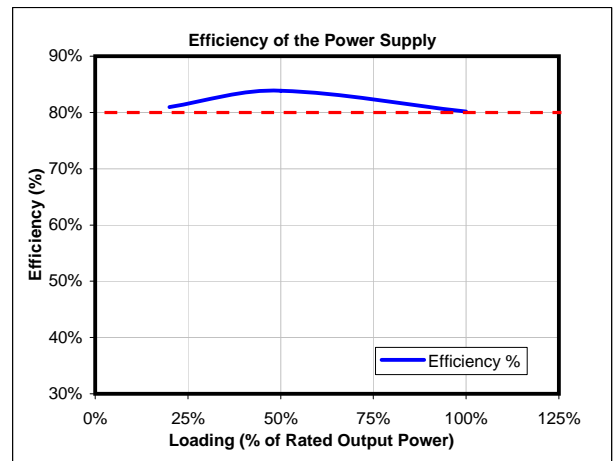
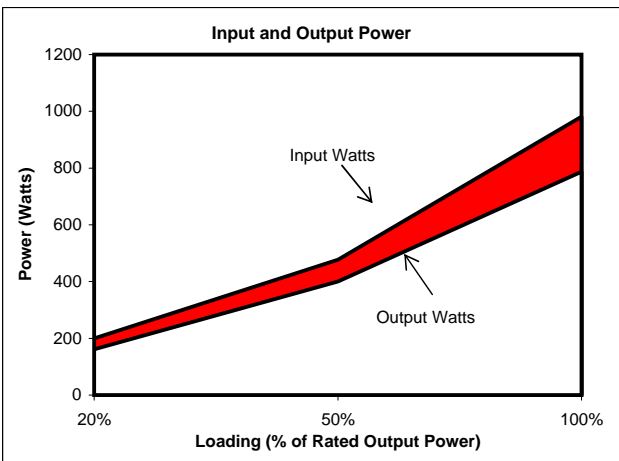
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13.6	Amps
Input Frequency	50-60.	Hz
Rated Output Power	800	Watts

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



Input AC Current Waveform (ITHD = 17.22%, 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
1.81	0.96	27.2%	20%	Light	200	12.1/10	12/0.2	3.3/4.2	5.2/4.2	5.1/0.6	162	80.97%
4.22	0.98	17.2%	50%	Typical	477	12/25.1	12/0.5	3.2/10.5	5/10.5	5/1.4	400	83.88%
8.58	0.99	10.0%	100%	Full	982	11.9/50.1	12/0.9	3.1/20.8	4.8/21	4.8/2.8	787	80.18%



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.