

80 PLUS Verification and Testing Report

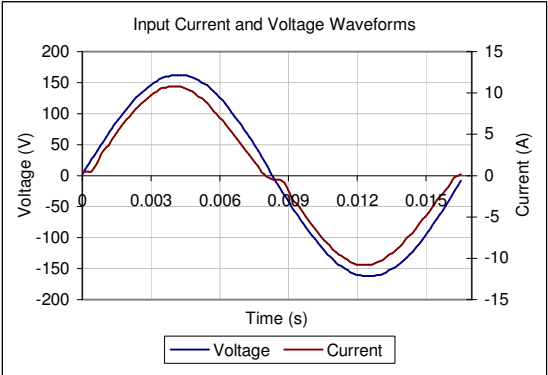
TYPICAL EFFICIENCY (50% Load):	84.53%
AVERAGE EFFICIENCY :	82.53%
80 PLUS COMPLIANT:	YES



Ecos ID #	448
Manufacturer	FSP
Model Number	Epsilon 80PLUS 700
Serial Number	NA
Year	2007
Type	ATX12V & EPS12V
Test Date	12/4/2007

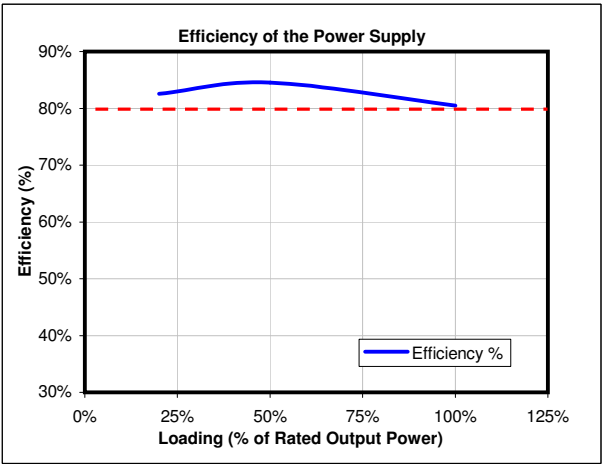
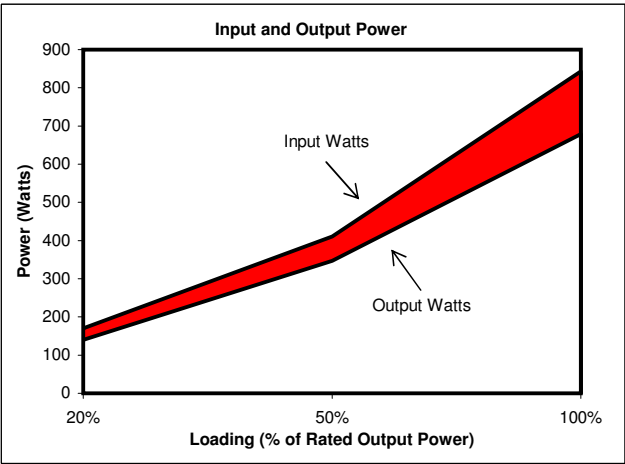
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 16.83%, 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		
1.54	0.96	27.3%	20%	Light	170	12/9.7	12.1/0.1	3.3/2.8	5.3/2.3	5.1/0.4	140	82.56%
3.63	0.98	16.8%	50%	Typical	411	11.8/24.2	12.1/0.3	3.3/7	5.2/5.8	5/1	347	84.53%
7.36	1.00	9.0%	100%	Full	843	11.6/48.3	12.2/0.5	3.2/13.9	4.8/11.6	4.9/2	678	80.50%



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.