

80 PLUS Verification and Testing Report

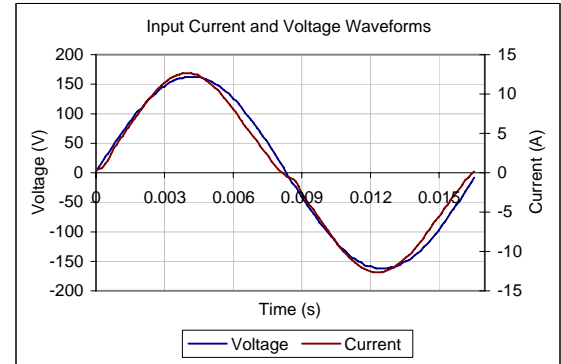
TYPICAL EFFICIENCY (50% Load):	83.80%
AVERAGE EFFICIENCY :	81.66%
80 PLUS COMPLIANT:	YES



Ecos ID #	689.1
Manufacturer	FSP
Model Number	EPSILON 80 PLUS 800
Serial Number	N/A
Year	2008
Type	ATX12V & EPS12V
Test Date	5/28/2008

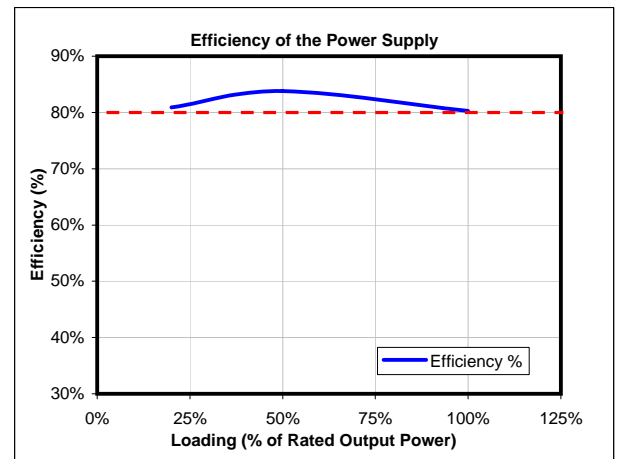
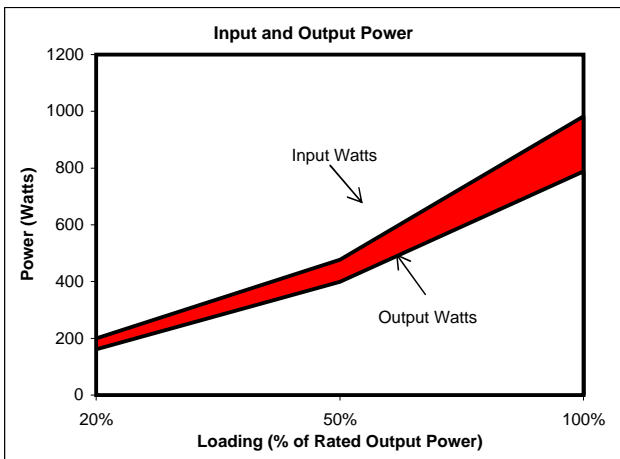
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	800	Watts

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



Input AC Current Waveform (ITHD = 12.94%, 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		
1.78	0.97	21.0%	20%	Light	199	12/10	12/0.2	3.3/4.2	5.1/4.2	5.1/0.6	161	80.91%
4.19	0.99	12.9%	50%	Typical	477	12/25.1	12.1/0.5	3.3/10.5	5/10.5	4.9/1.4	399	83.80%
8.57	1.00	8.4%	100%	Full	982	11.9/50.1	12.2/0.9	3.2/20.8	4.9/21	4.8/2.8	788	80.26%



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/>

