

80 PLUS Verification and Testing Report

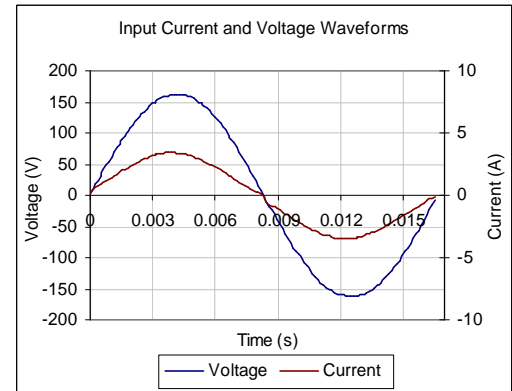
TYPICAL EFFICIENCY (50% Load):	85.38%
AVERAGE EFFICIENCY :	83.21%
80 PLUS COMPLIANT:	YES



Ecos ID #	149
Manufacturer	Fairchild Semiconductor
Model Number	Reference Design
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	12/28/2006

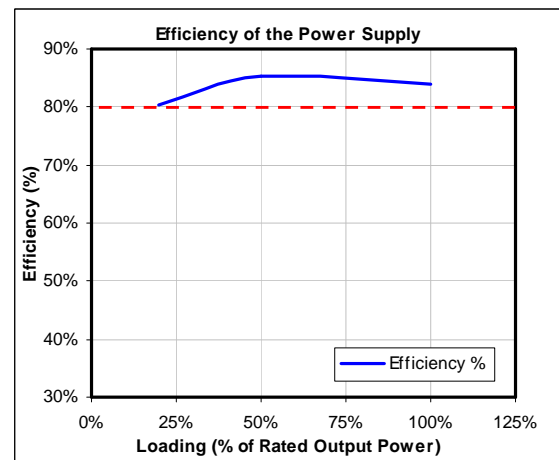
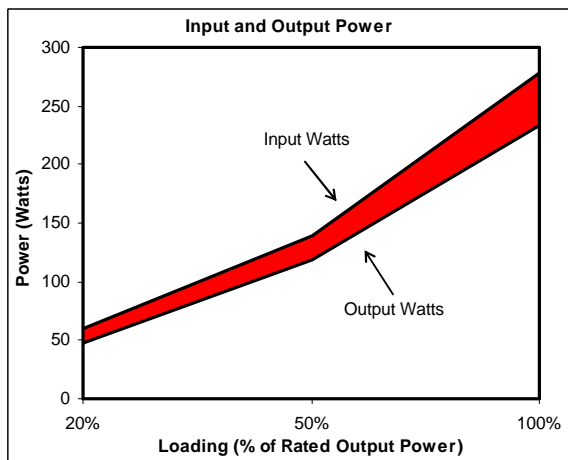
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4-2	Amps
Input Frequency	50/60	Hz
Rated Output Power	240	Watts

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



Input AC Current Waveform (ITHD = 4.05%, 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 %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.53	0.97	5.5%	20%	Light	60	12/0.9	12/1.5	12/0	3.3/1.9	5/2.1	5.1/0.4	48	80.25%
1.22	0.99	4.1%	50%	Typical	139	11.9/2.4	11.9/3.6	12.1/0.1	3.3/4.7	5/5.3	5/1	119	85.38%
2.42	1.00	3.8%	100%	Full	278	11.8/4.7	11.8/7.2	12.2/0.1	3.2/9.4	4.9/10.7	5/1.9	234	83.99%



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/>

