

80 PLUS Verification and Testing Report

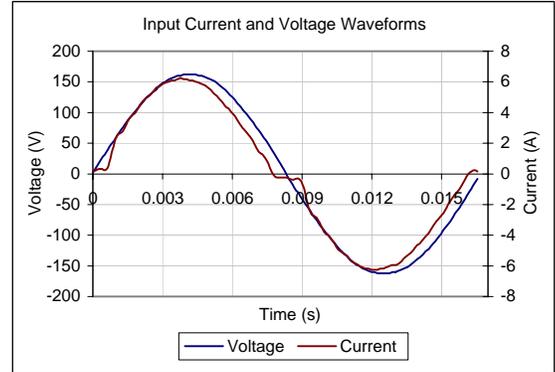


TYPICAL EFFICIENCY (50% Load):	84.37%
AVERAGE EFFICIENCY :	82.26%
80 PLUS COMPLIANT:	YES

Ecos ID #	1086.1
Manufacturer	SPI
Model Number	SPI400ACH8
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/28/2008

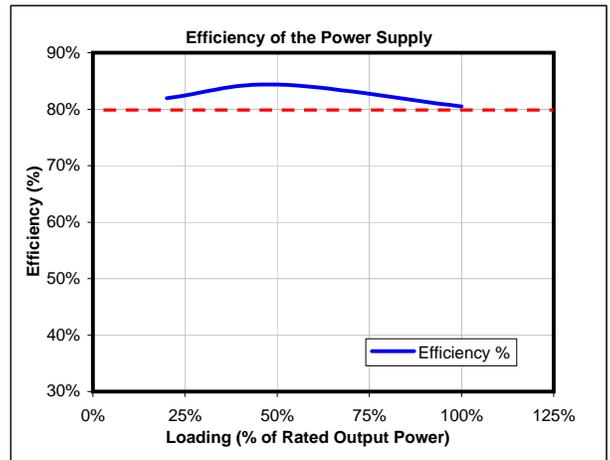
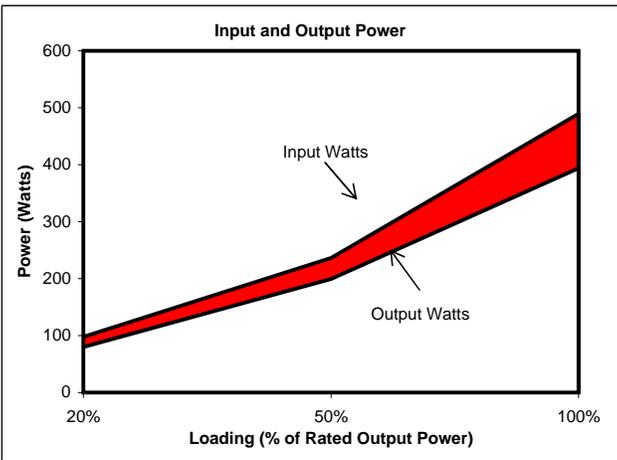
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 13.74%, 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		
0.86	0.99	11.7%	20%	Light	98	11.9/4.9	12/0.1	3.4/2.3	5.1/2.2	5/0.4	80	81.95%
2.08	0.99	13.7%	50%	Typical	236	11.9/12.3	12/0.2	3.4/5.7	5.1/5.4	5/1	199	84.37%
4.29	0.99	10.9%	100%	Full	489	11.7/24.5	12/0.4	3.3/11.3	5/10.8	4.9/1.9	394	80.46%



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.