

80 PLUS Verification and Testing Report

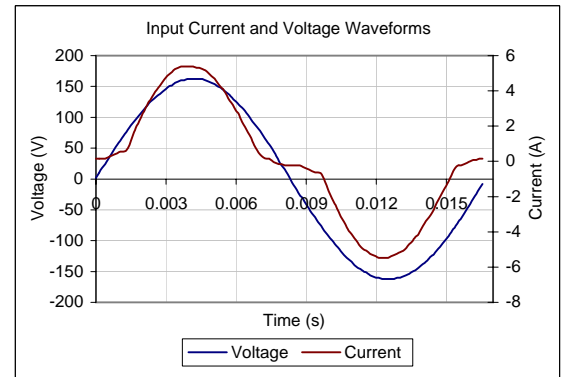
TYPICAL EFFICIENCY (50% Load):	83.92%
AVERAGE EFFICIENCY :	82.04%
80 PLUS COMPLIANT:	YES



Ecos ID #	1085.1
Manufacturer	SPI
Model Number	SPI300ACH8
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/23/2008

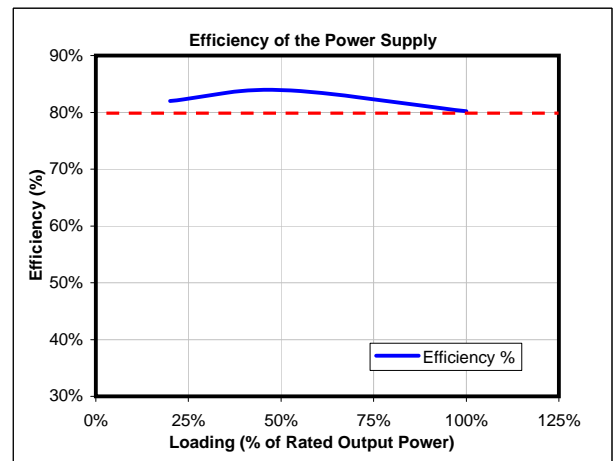
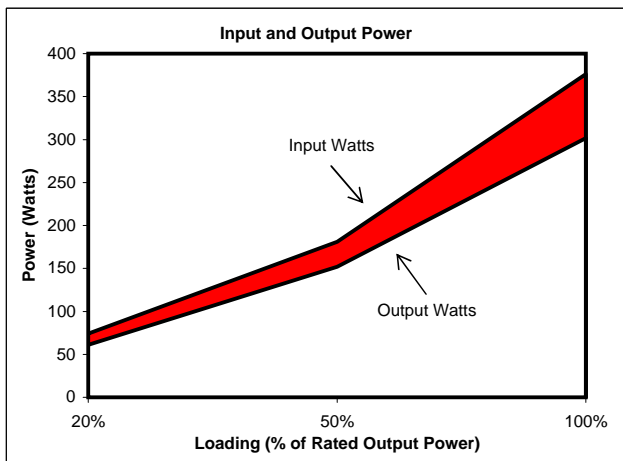
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 28.18%, 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		
0.66	0.98	16.0%	20%	Light	74	12.2/3.5	11.7/0.1	3.4/1.9	5.1/1.8	5.1/0.4	61	82.02%
1.64	0.96	28.2%	50%	Typical	181	12.2/8.8	11.7/0.2	3.4/4.7	5.1/4.5	5/0.9	152	83.92%
3.39	0.96	26.3%	100%	Full	376	12.1/17.5	11.6/0.4	3.3/9.5	5/9	5/1.8	302	80.18%



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/>

