

80 PLUS Verification and Testing Report

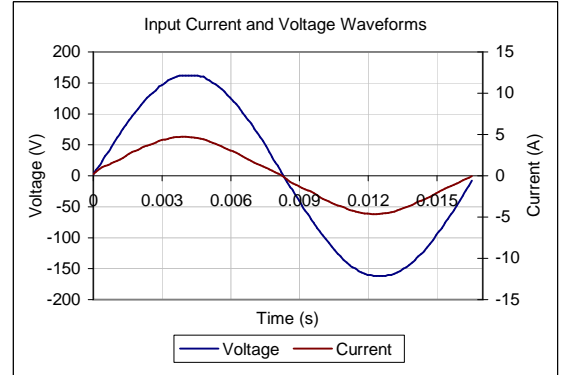


TYPICAL EFFICIENCY (50% Load):	83.13%
AVERAGE EFFICIENCY :	81.54%
80 PLUS COMPLIANT:	YES

Ecos ID #	329
Manufacturer	SPI
Model Number	SPI270LE
Serial Number	NA
Year	2007
Type	CUSTOM
Test Date	8/6/2007

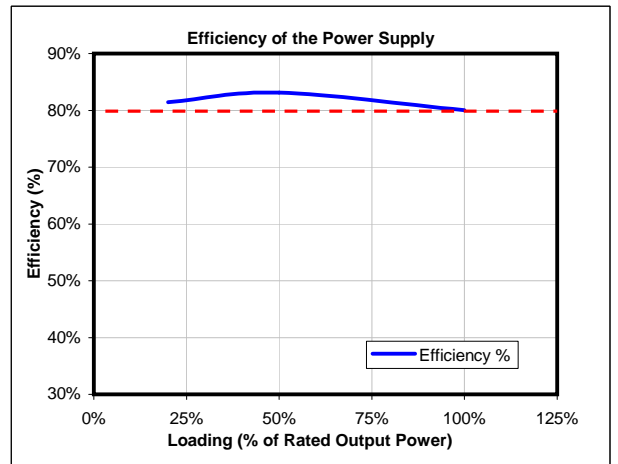
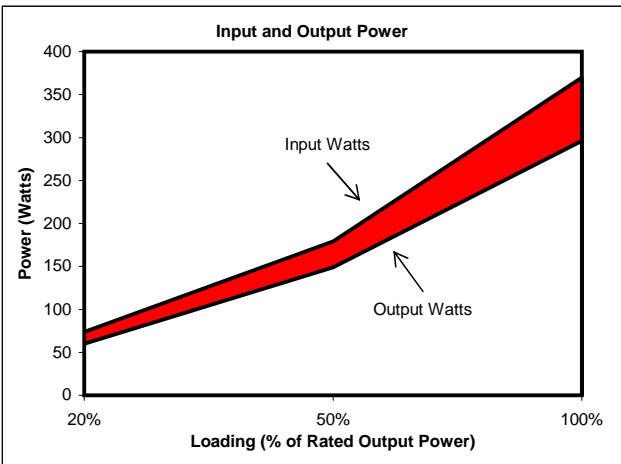
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 6.31%, 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		
0.65	0.99	6.5%	20%	Light	74	12.1/3.3	11.1/0.2	3.3/1.8	5/2	5/0.5	60	81.45%
1.57	0.99	6.3%	50%	Typical	179	12/8.2	11.1/0.4	3.3/4.6	4.9/5.1	4.9/1.2	149	83.13%
3.22	1.00	4.8%	100%	Full	370	11.9/16.3	11/0.8	3.3/9.1	4.9/10.3	4.9/2.5	296	80.04%



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.