

# 80 PLUS Verification and Testing Report

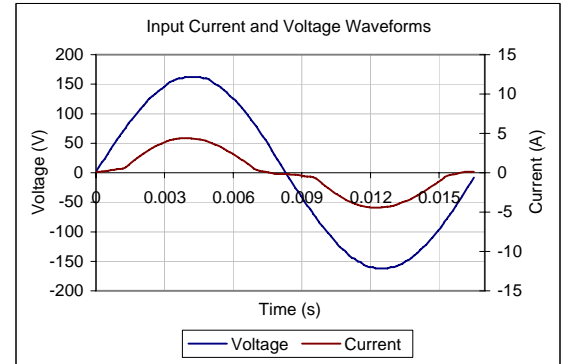
**TYPICAL EFFICIENCY (50% Load):** 85.12%  
**AVERAGE EFFICIENCY :** 83.77%  
**80 PLUS COMPLIANT:** YES



Ecos ID #	791.1
Manufacturer	SPI
Model Number	SPI250T8H8
Serial Number	S8151000046
Year	2008
Type	TFX
Test Date	7/2/2008

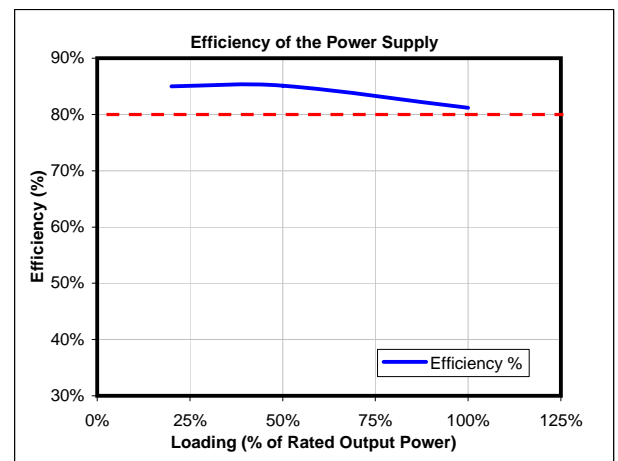
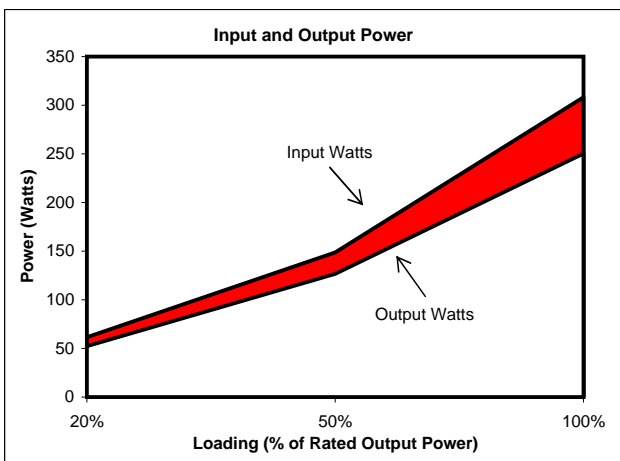
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	250	Watts

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



Input AC Current Waveform (ITHD = 25.48%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
0.55	0.98	15.5%	20%	Light	62	12.2/3.1	11.6/0	3.4/1.4	5.1/1.5	5.2/0.2	52	85.01%
1.34	0.97	25.5%	50%	Typical	149	12.2/7.7	11.7/0.1	3.3/3.1	5/3.6	5.1/0.5	127	85.12%
2.77	0.97	25.1%	100%	Full	308	12/15.5	11.7/0.3	3.3/6.3	5/7.1	5/1	250	81.18%



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/>

