

80 PLUS Verification and Testing Report

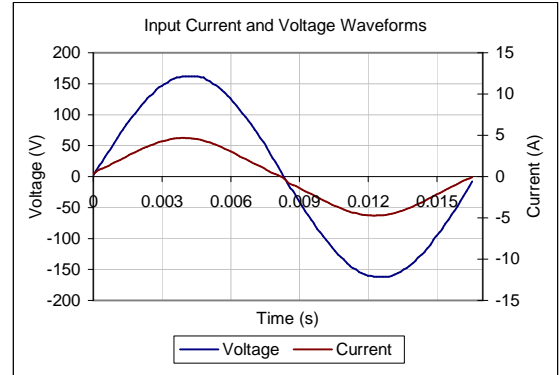


TYPICAL EFFICIENCY (50% Load):	82.63%
AVERAGE EFFICIENCY :	81.17%
80 PLUS COMPLIANT:	YES

Ecos ID #	397.1
Manufacturer	Sparkle Power International
Model Number	SPI300EP
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	10/11/2007

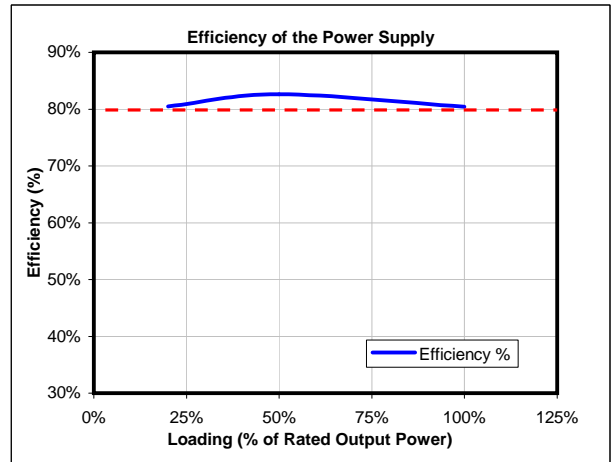
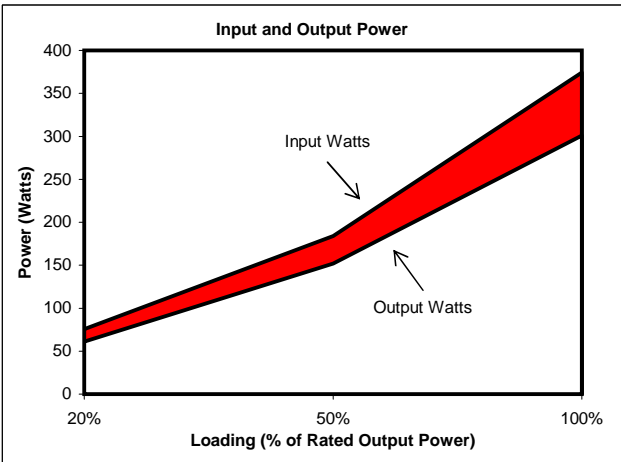
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	60/50	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 4.1%, 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
0.68	0.97	7.6%	20%	Light	76	12.2/3.3	11.4/0	3.4/2	5.1/2.2	5/0.4	61	80.46%
1.61	0.99	4.1%	50%	Typical	184	12.1/8.3	11.5/0.1	3.3/4.9	5.1/5.6	5/1	152	82.63%
3.27	1.00	4.3%	100%	Full	374	12/16.6	11.8/0.2	3.3/9.7	5/11.1	4.9/2.1	301	80.42%



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.