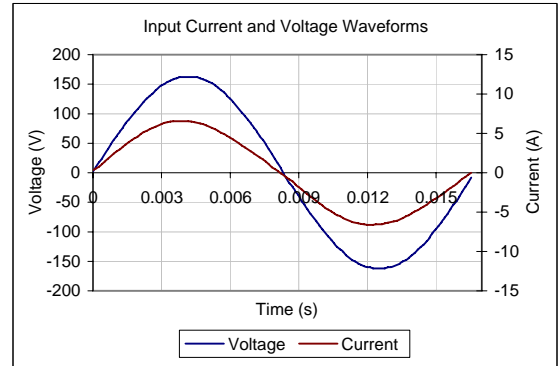


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	85.55%
AVERAGE EFFICIENCY :	83.56%
80 PLUS COMPLIANT:	YES

Ecos ID #	808
Manufacturer	SILVERSTONE
Model Number	SST-ST45NF
Serial Number	E81433G01527
Year	2008
Type	ATX12V
Test Date	7/3/2008

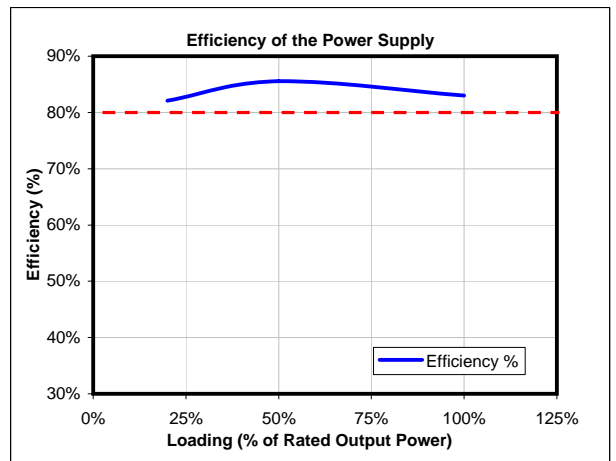
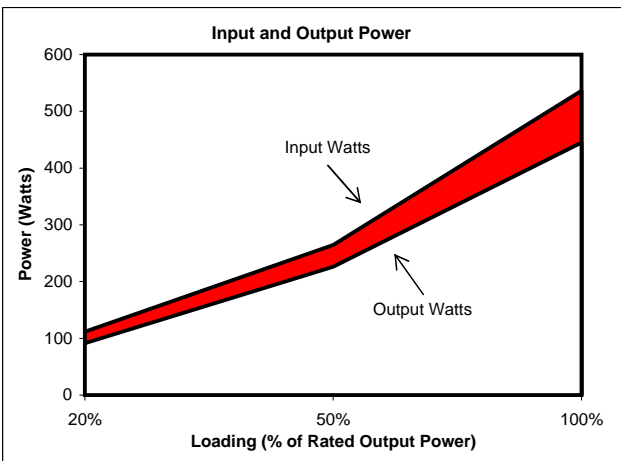


Input AC Current Waveform (ITHD = 3.15%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	3.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	450	Watts

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

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
0.99	0.98	3.6%	20%	Light	111	12.2/5.6	11.9/0.1	3.3/3.1	5/2.1	5/0.4	91	82.11%
2.31	0.99	3.2%	50%	Typical	264	12.1/13.9	12.1/0.2	3.2/7.6	5/5.2	5/1	226	85.55%
4.67	1.00	3.1%	100%	Full	536	12/27.7	12.6/0.4	3.1/15.2	4.8/10.4	4.8/2	445	83.01%



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.