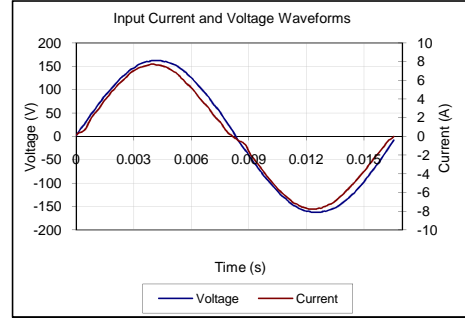


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.15%
AVERAGE EFFICIENCY :	83.57%
80 PLUS COMPLIANT:	YES



Ecos ID #	1315
Manufacturer	SILVERSTONE TECHNOLOGY CO., LTD.
Model Number	SST-ST50F
Serial Number	S8501100490
Year	2009
Type	ATX12V
Test Date	2/24/2009

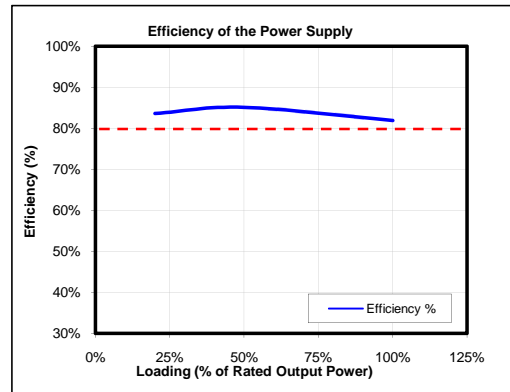
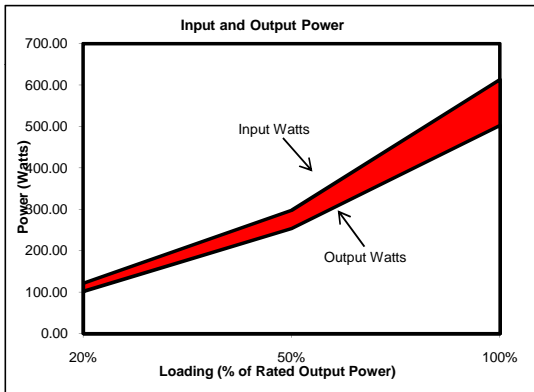


Input AC Current Waveform (ITHD = 12.48%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	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		
1.09	0.9739	21.15%	20%	Light	121.87	12.2/6	12.1/0.1	3.4/3	5.1/3	5.1/0.4	101.92	83.63%
2.61	0.9908	12.48%	50%	Typical	298.00	12.2/14.9	12.1/0.3	3.4/7.5	5/7.5	5/1	253.76	85.15%
5.35	0.9972	6.75%	100%	Full	613.80	12.1/29.8	12.1/0.7	3.4/15	4.9/15.1	4.9/2.1	502.92	81.93%



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.

