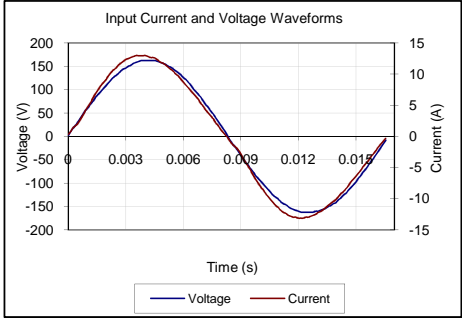


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.45%
AVERAGE EFFICIENCY :	83.11%
80 PLUS COMPLIANT:	YES



Ecos ID #	1409
Manufacturer	SILVERSTONE TECHNOLOGY CO., LTD.
Model Number	SST-OP850-P
Serial Number	W9748370079
Year	2009
Type	ATX12V
Test Date	4/21/2009

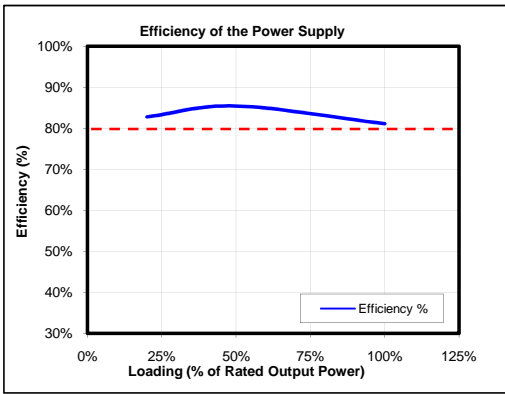
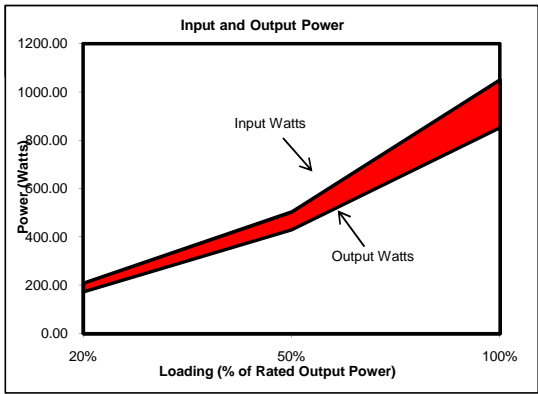


Input AC Current Waveform (ITHD = 4.1%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	14-7	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	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		
1.82	0.9962	4.82%	20%	Light	208.60	12.2/11.4	12/0.1	3.4/3.4	5.1/3.6	5/0.7	172.70	82.79%
4.38	0.9981	4.10%	50%	Typical	503.30	12.1/28.5	12/0.2	3.4/8.4	5/9	5/1.6	430.05	85.45%
9.16	0.9975	5.10%	100%	Full	1051.00	12/57	12.1/0.4	3.3/16.8	5/18	4.9/3.3	852.41	81.10%



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.