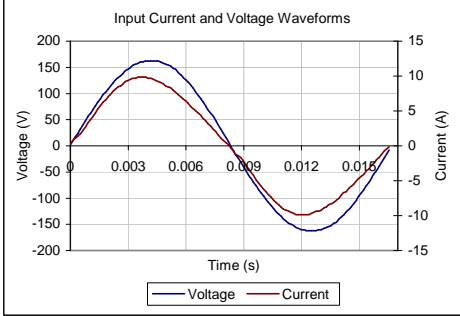


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.37%
AVERAGE EFFICIENCY :	83.27%
80 PLUS COMPLIANT:	YES



Ecos ID #	1407
Manufacturer	SILVERSTONE TECHNOLOGY CO., LTD.
Model Number	SST-OP650-P
Serial Number	W9748390030
Year	2009
Type	ATX12V
Test Date	4/21/2009

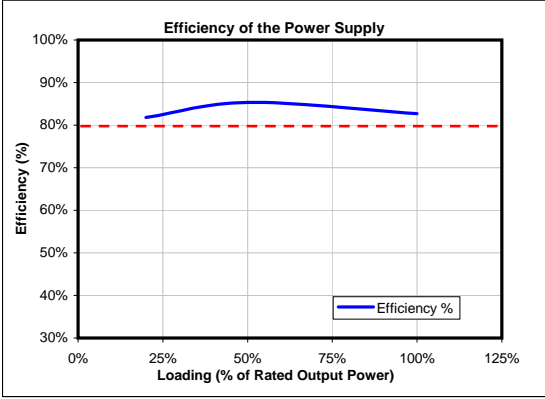
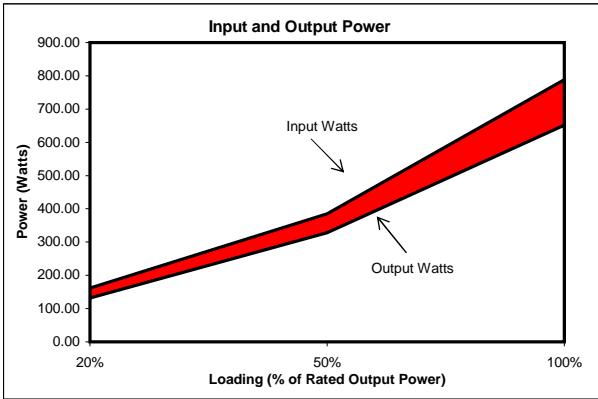


Input AC Current Waveform (ITHD = 4.57%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	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		
1.41	0.9945	5.62%	20%	Light	161.41	8.1/8.2	12/0.1	3.4/2.9	5.1/3.6	5.1/0.6	132.00	81.78%
3.35	0.9974	4.57%	50%	Typical	384.60	8.1/20.6	12/0.2	3.4/7.1	5/8.9	5/1.5	328.32	85.37%
6.87	0.9966	5.68%	100%	Full	787.90	8/41.1	12/0.4	3.3/14.3	5/17.9	5/3	651.37	82.67%



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.