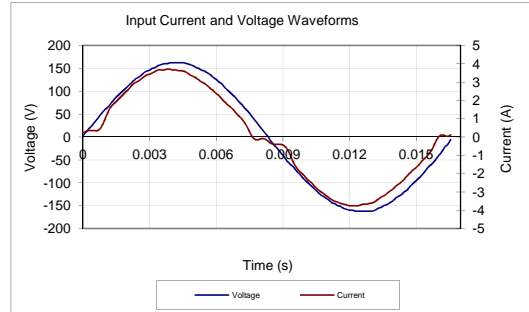


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.93%
AVERAGE EFFICIENCY :	84.37%
80 PLUS COMPLIANT:	YES



Ecos ID #	4089
Manufacturer	SilverStone Technology
Model Number	SST-ST50F-ESB
Serial Number	NA
Year	2014
Type	ATX12V
Test Date	9/18/14

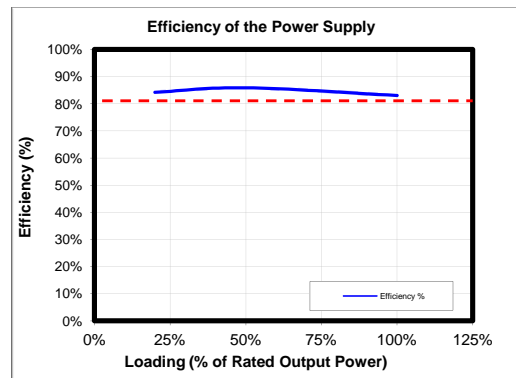
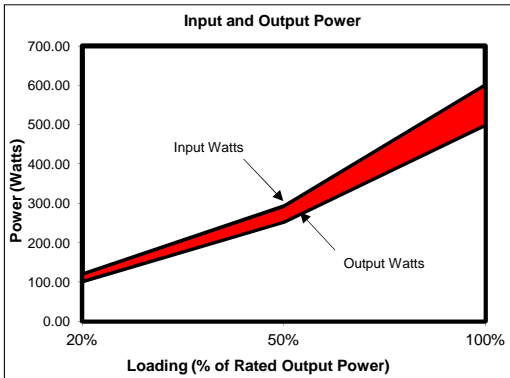


Input AC Current Waveform (ITHD = 11.47%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	8	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts

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

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)						
0.57	0.97	12.95%	10%	64.36	12.1/3.3	12/0	3.4/1.1	5.2/1.1	5.1/0.2	50.77	78.89%
1.08	0.97	21.22%	20%	120.18	12.1/6.6	12/0.1	3.4/2.2	5.1/2.2	5.1/0.4	101.21	84.21%
2.57	0.99	11.47%	50%	293.30	12.1/16.5	12/0.1	3.4/5.4	5.1/5.4	5.1/1.1	252.04	85.93%
5.26	0.99	9.63%	100%	601.50	12/32.8	12/0.3	3.3/10.9	5/10.8	5/2.2	499.10	82.98%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

