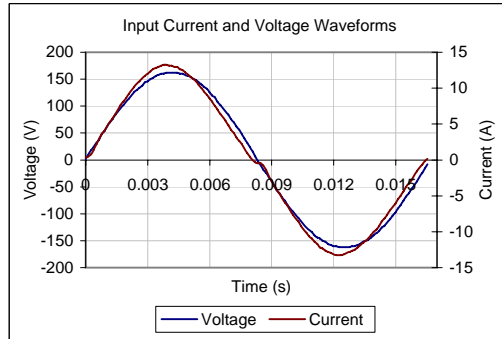


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.22%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.26%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	1248
<b>Manufacturer</b>	SILVERSTONE
<b>Model Number</b>	SST-ST85EF
<b>Serial Number</b>	N/A
<b>Year</b>	2009
<b>Type</b>	EPS12V
<b>Test Date</b>	1/16/2009

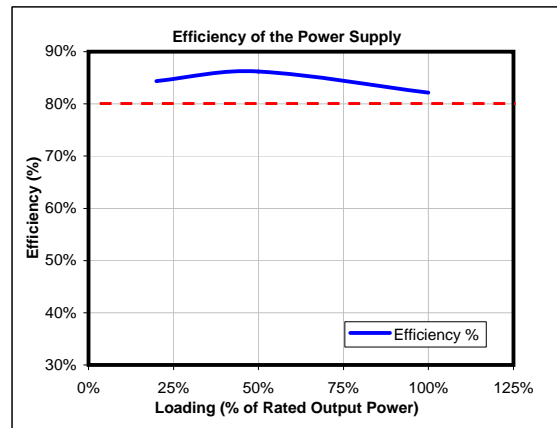
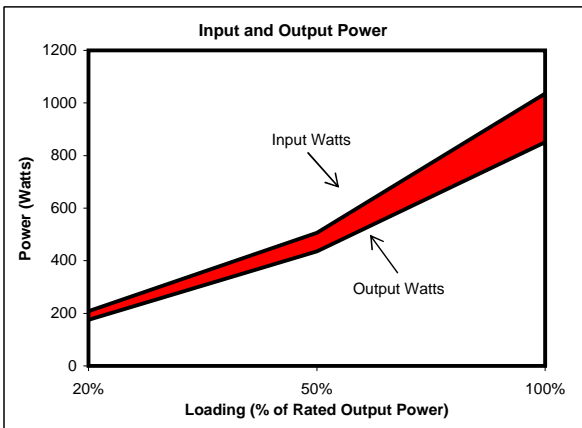


Input AC Current Waveform (ITHD = 5.74%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	13-7	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>850</b>	<b>Watts</b>

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

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
1.84	0.99	6.6%	20%	Light	208	12.4/11.3	11.1/0.1	3.4/3.3	5.1/4	5.1/0.5	176	84.39%
4.42	0.99	5.7%	50%	Typical	506	12.3/28.1	11.1/0.3	3.4/8.3	5.1/10	5/1.3	436	86.22%
9.03	1.00	7.4%	100%	Full	1036	7.9/57.2	11.8/0.7	3.4/16.6	5/20	5/2.6	851	82.18%



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.