

80 PLUS Verification and Testing Report

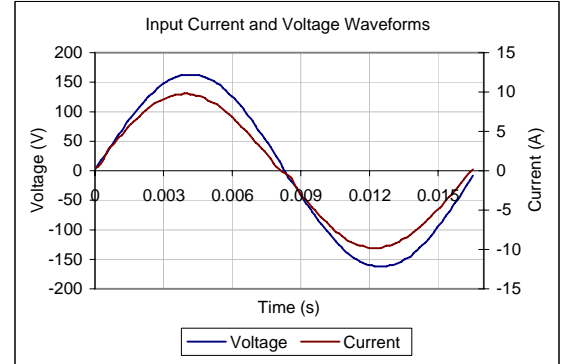


TYPICAL EFFICIENCY (50% Load): 86.59%
AVERAGE EFFICIENCY : 84.47%
80 PLUS COMPLIANT: YES

Ecos ID #	996
Manufacturer	SILVERSTONE
Model Number	SST-ST65EF
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/7/2008

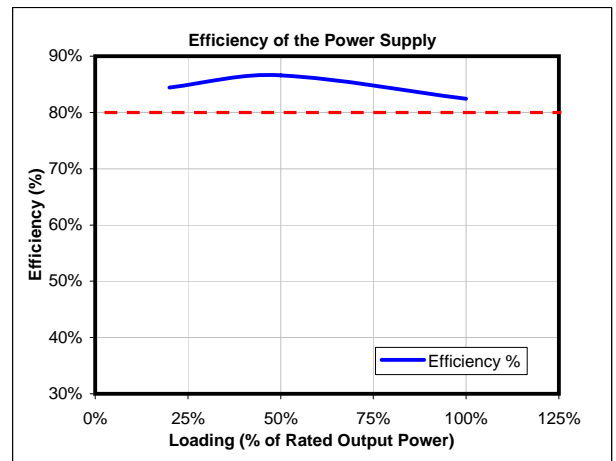
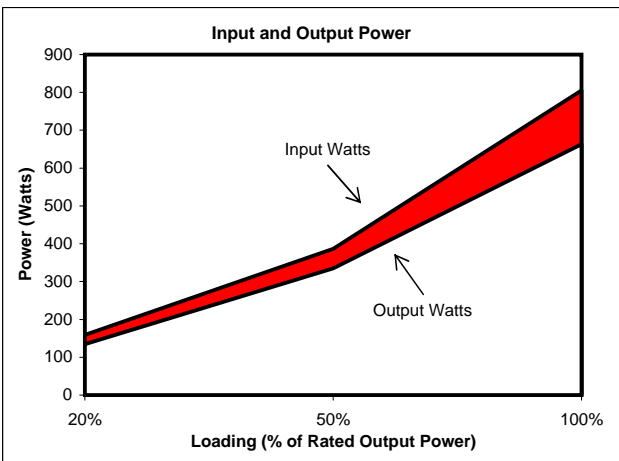
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 6.7%, 50% Load)

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	0.98	14.0%	20%	Light	159	12.4/8.4	12.2/0.1	3.4/2.7	5.1/3.2	5.1/0.4	135	84.40%
3.39	0.99	6.7%	50%	Typical	387	12.4/21.1	12.2/0.3	3.4/6.8	5.1/8.1	5.1/1.1	335	86.59%
7.01	1.00	2.3%	100%	Full	805	12.3/42.1	12.2/0.7	3.4/13.5	5.1/16.2	5/2.1	664	82.42%



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.

