

80 PLUS Verification and Testing Report

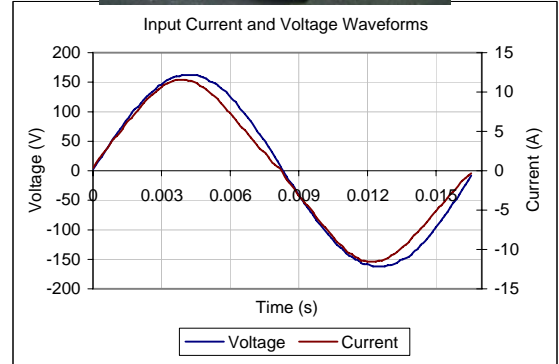


TYPICAL EFFICIENCY (50% Load): 87.22%
AVERAGE EFFICIENCY : 85.21%
80 PLUS COMPLIANT: YES

Ecos ID #	997
Manufacturer	SILVERSTONE
Model Number	SST-ST75EF
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/15/2008

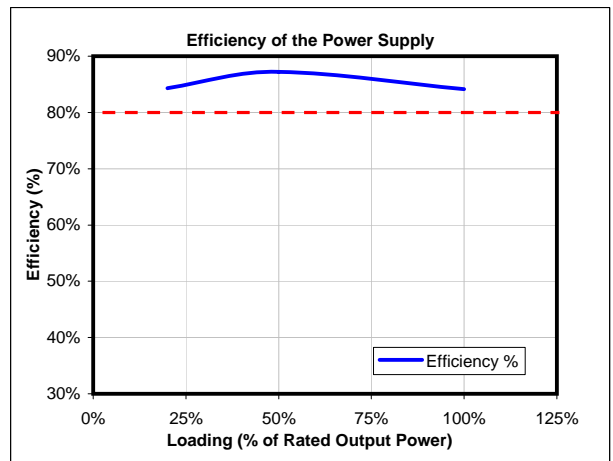
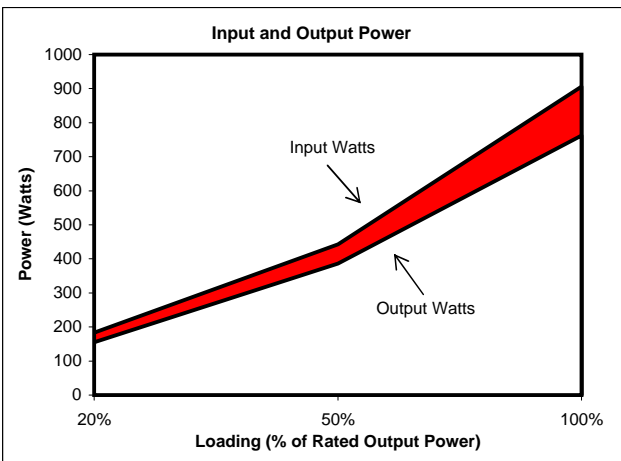
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	750	Watts

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



Input AC Current Waveform (ITHD = 6.4%, 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
1.63	0.98	7.8%	20%	Light	184	12.4/9.7	11.1/0.1	3.4/3.1	5.2/3.8	5.1/0.5	155	84.31%
3.88	0.99	6.4%	50%	Typical	443	12.4/24.4	11.1/0.3	3.4/7.8	5.2/9.4	5/1.2	386	87.22%
7.90	1.00	5.5%	100%	Full	906	12.4/48.8	11.2/0.6	3.3/15.6	4.7/18.8	5/2.4	762	84.12%



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.