

80 PLUS Verification and Testing Report

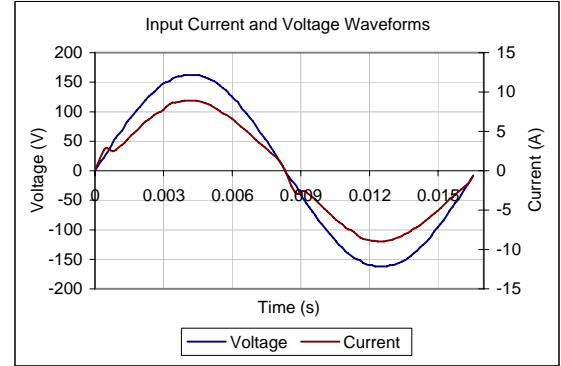


TYPICAL EFFICIENCY (50% Load):	85.63%
AVERAGE EFFICIENCY :	83.96%
80 PLUS COMPLIANT:	YES

Ecos ID #	968
Manufacturer	SILVERSTONE
Model Number	SST-ST60EF
Serial Number	0812-00503
Year	2008
Type	ATX12V
Test Date	9/30/2008

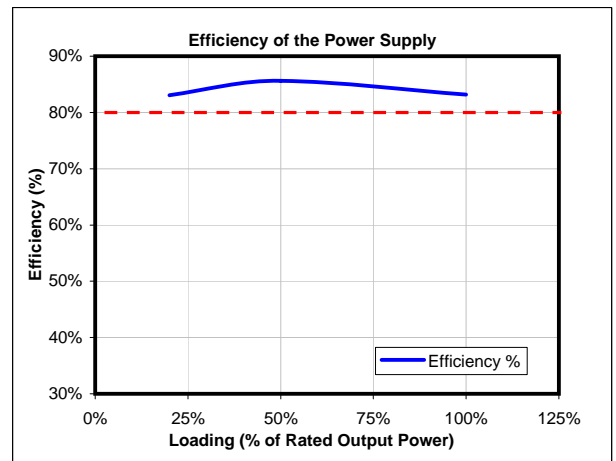
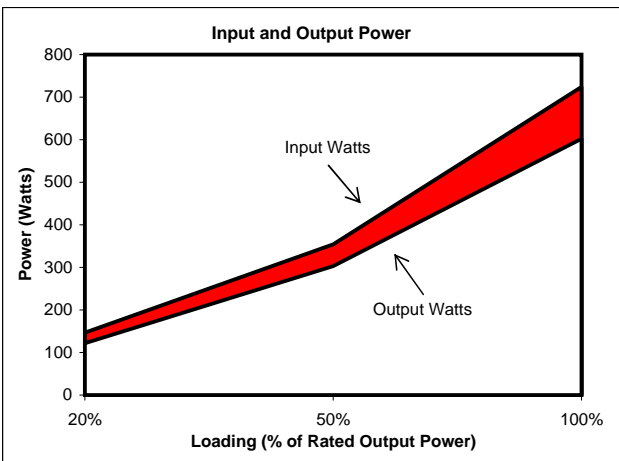
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5-10	Amps
Input Frequency	47-63	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 3.31%, 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		
1.30	0.98	8.6%	20%	Light	147	12.2/7.5	11.6/0.1	3.4/2.9	5/3.4	5.2/0.5	122	83.08%
3.08	1.00	3.3%	50%	Typical	354	12.1/18.8	11.6/0.2	3.3/7.1	5/8.5	5.1/1.2	303	85.63%
6.30	1.00	4.5%	100%	Full	724	12.1/37.6	11.8/0.4	3.3/14.2	5/17.1	5.1/2.3	602	83.18%



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.