

80 PLUS Verification and Testing Report

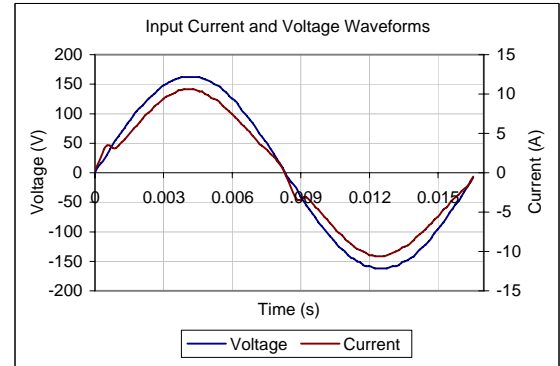


TYPICAL EFFICIENCY (50% Load):	85.21%
AVERAGE EFFICIENCY :	83.23%
80 PLUS COMPLIANT:	YES

Ecos ID #	728
Manufacturer	SILVERSTONE
Model Number	SST-ST70F
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	5/30/2008

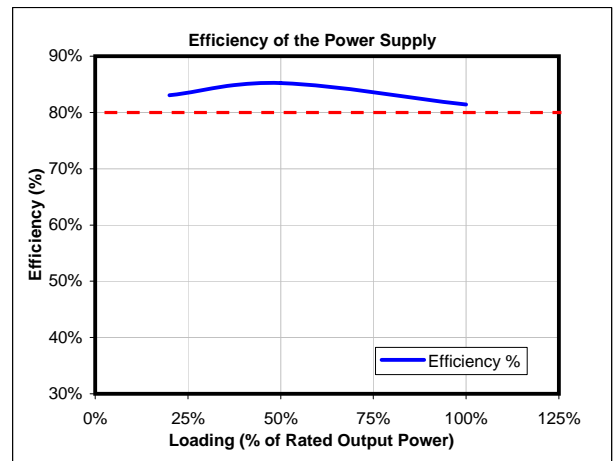
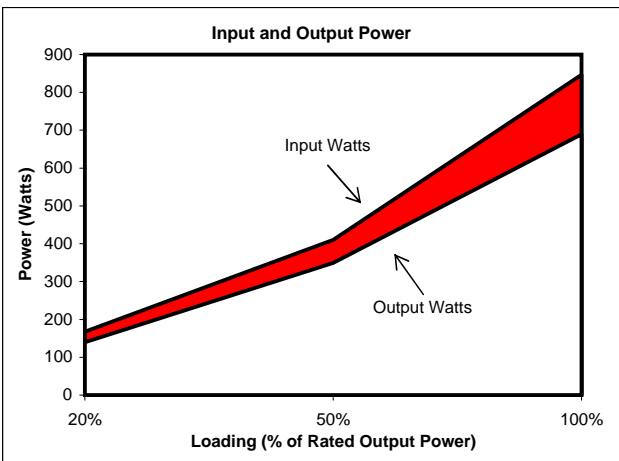
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	47-63	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 4.16%, 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
1.52	0.96	9.2%	20%	Light	168	11.9/8.9	11.7/0.1	3.3/3.1	5.1/3.9	5.1/0.5	139	83.07%
3.58	1.00	4.2%	50%	Typical	410	12/22.2	11.9/0.2	3.3/7.9	4.9/9.8	5/1.3	349	85.21%
7.37	1.00	5.4%	100%	Full	847	11.9/44.3	12.1/0.4	3.1/15.7	4.8/19.6	4.9/2.7	689	81.41%



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.