

80 PLUS Verification and Testing Report

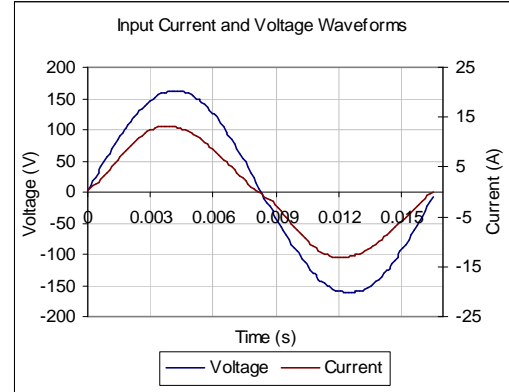
TYPICAL EFFICIENCY (50% Load):	83.99%
AVERAGE EFFICIENCY :	81.76%
80 PLUS COMPLIANT:	YES



Ecos ID #	178
Manufacturer	SilverStone Technology
Model Number	SST-ST85F
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	2/23/2007

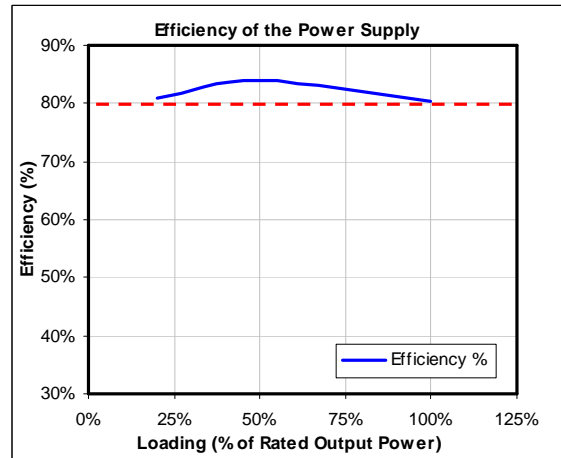
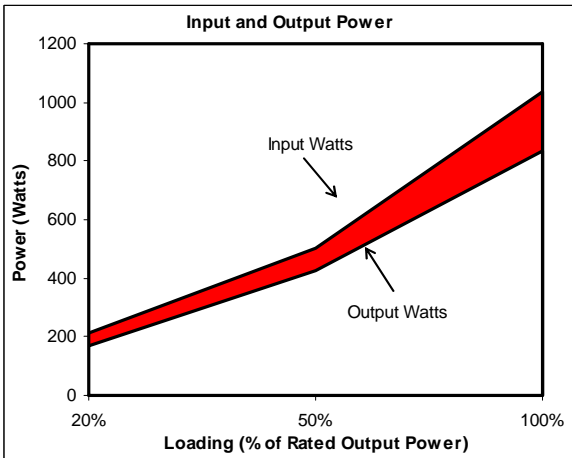
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12/6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.92%, 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 %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
1.87	0.99	10.3%	20%	Light	213	12.1/5.6	12.1/5.6	12.1/0.1	3.3/3.4	5.1/4.1	5.1/0.5	172	80.83%
4.40	1.00	7.9%	50%	Typical	504	12/14	11.9/14	12/0.2	3.3/8.5	5/10.2	5/1.3	423	83.99%
9.07	1.00	7.7%	100%	Full	1038	11.9/28.1	11.7/28.1	12.1/0.4	3.1/16.9	4.9/20.3	4.9/2.6	835	80.45%



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.