

## 80 PLUS Verification and Testing Report

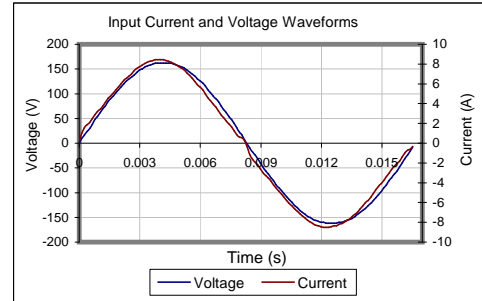
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.62%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.68%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	641.1
<b>Manufacturer</b>	Silverstone Technology Co., Ltd
<b>Model Number</b>	SST-ST70F-ES
<b>Serial Number</b>	N/A
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	5/8/2008

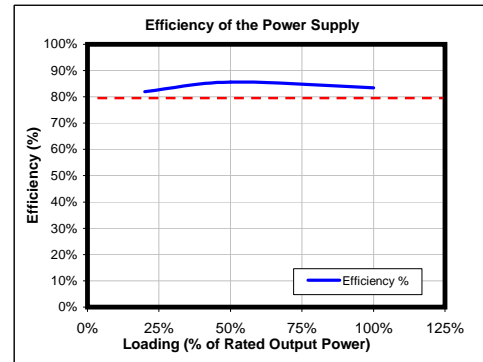
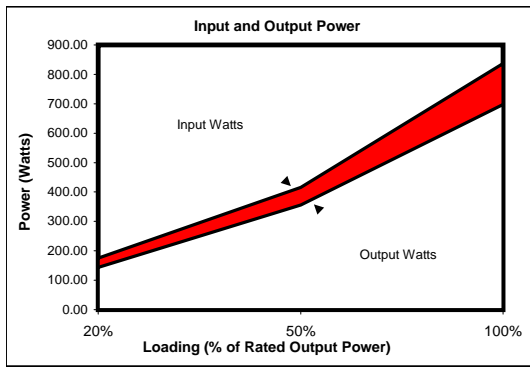
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>700</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 3.42%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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
1.55	0.98	5.53%	20%	Light	174.80	12.3/8.7		11.9/0.1	3.4/3.6	5.2/3.9	5.2/0.5	143.32	81.99%
3.63	1.00	3.42%	50%	Typical	415.25	12.2/21.8		12/0.3	3.3/9	5.1/9.6	5.1/1.3	355.53	85.62%
7.29	1.00	3.20%	100%	Full	836.90	12.1/43.6		12/0.7	3.2/17.9	4.9/19.3	4.9/2.6	698.11	83.42%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

