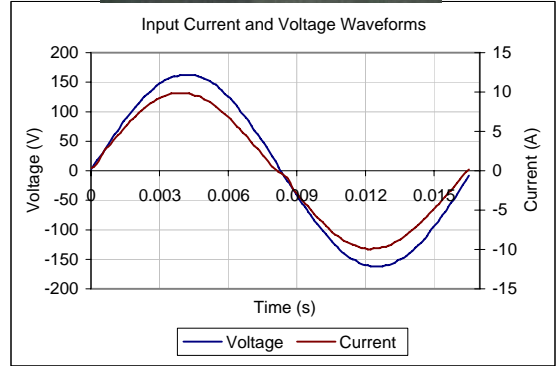


# 80 PLUS Verification and Testing Report



**TYPICAL EFFICIENCY (50% Load):** 86.44%  
**AVERAGE EFFICIENCY :** 84.52%  
**80 PLUS COMPLIANT:** YES

<b>Ecos ID #</b>	1011
<b>Manufacturer</b>	SEVENTEAM
<b>Model Number</b>	ST-650P-AF
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	10/8/2008

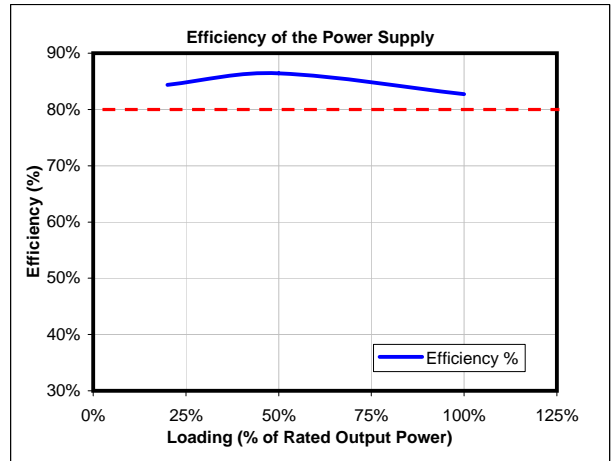
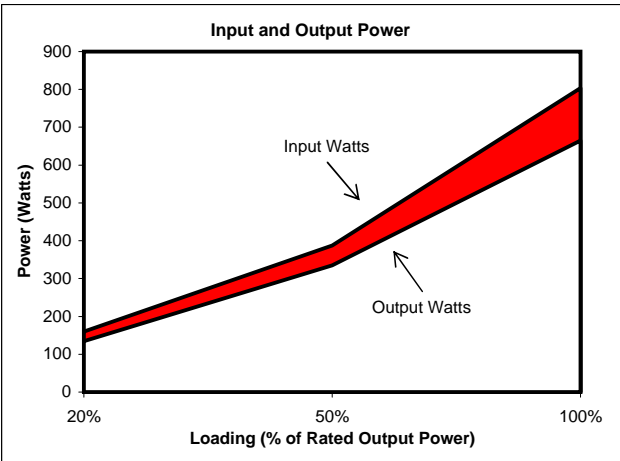


Input AC Current Waveform (ITHD = 7.43%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>650</b>	<b>Watts</b>

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

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
1.42	0.98	14.8%	20%	Light	160	12.4/8.4	12.1/0.1	3.4/2.7	5.2/3.2	5.1/0.4	135	84.38%
3.39	0.99	7.4%	50%	Typical	388	12.4/21.1	12.1/0.3	3.4/6.8	5.2/8.1	5/1.1	335	86.44%
7.00	1.00	3.5%	100%	Full	804	12.3/42.1	12.1/0.7	3.4/13.5	5.1/16.2	5/2.1	665	82.74%



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/>

